APPENDIX A

Air Quality System (AQS) and Indiana Department of Environmental Management (IDEM) Monitor Data Values for the Central Indiana Area (2000-2010)

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Monitoring Data for Central Indiana Area					
SITE ID	**COUNTY**	**SITE NAME**	**YEAR**	**Annual Average µg/m3**	**2008-2010 Average µg/m3**
180970078	Marion	Indianapolis-Washington Park	2008	13.02	12.7
			2009	12.11	
			2010	12.86	
180970081	Marion	Indianapolis-W. 18th Street	2008	13.75	13.6
			2009	12.96	
			2010	14.03	
180970083	Marion	Indianapolis-E. Michigan Street	2008	13.17	13.2
			2009	12.40	
			2010	13.91	

Site ID	**County**	**Site Name**	**Yearly Annual Means**										
			2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**
180970042	Marion	Indianapolis-Mann Road	15.19	14.78	15.22	14.53	12.92	16.10	12.49	14.57	Monitor Discontinued		
180970043	Marion	Indianapolis-West Street	18.44	17.69	17.02	17.23	15.68	19.10	15.50	17.29	15.06	13.69	15.15
180970066	Marion	Indianapolis-English Avenue	18.90	18.63	18.35	17.46	16.68	19.35	15.22	17.08	13.23	Monitor Discontinued	
180970066/84	Marion	Indianapolis-Combined (English Avenue & School 21)										12.64	
180970084	Marion	Indianapolis-School 21									Monitor began February 16, 2009	11.92	13.80
180970078	Marion	Indianapolis-Washington Park	17.75	16.58	16.55	15.45	14.31	16.39	14.14	15.66	13.02	12.11	12.86
180970079	Marion	Indianapolis-E. 75th Street	16.36	16.25	15.68	14.67	13.44	16.88	12.75	14.76	Monitor Discontinued		
180970081	Marion	Indianapolis-W. 18th Street	16.78	17.14	14.24	16.21	14.96	18.06	14.12	16.07	13.75	12.96	14.03
180970083	Marion	Indianapolis-E. Michigan Street	17.00	17.09	16.72	16.32	14.97	17.54	14.15	15.93	13.17	12.40	13.91
			Source oriented monitor NOT compared to the Annual $PM_{2.5}$ Standard										

Red Text Indicates Incomplete Data

The Indianapolis-Mann Road and E. 75th Street monitors were discontinued December 31, 2007.

The Indianapolis-West Street monitor is a source oriented monitor and is not compared to the Annual $PM_{2.5}$ Standard.

The Indianapolis-English Avenue and Indianapolis School 21 monitors are source oriented monitors and are not compared to the Annual $PM_{2.5}$ Standard. The Indianapolis-English Avenue monitor was replaced by the Indianapolis-School 21 monitor in 2009. Data for 2009 as well as the 2007-2009 and 2008-2010 design values have been combined. The Indianapolis-School 21 monitor began operation on February 16, 2009.

Site ID	County	Site Name	Three Year Design Values								
			00-02	01-03	02-04	03-05	04-06	05-07	06-08	07-09	08-10
180970042	Marion	Indianapolis-Mann Road	15.1	14.8	14.2	14.5	13.8	14.4	Monitor Discontinued		
180970043	Marion	Indianapolis-West Street	17.7	17.3	16.6	17.3	16.8	17.3	16.0	15.3	14.6
180970066	Marion	Indianapolis-English Avenue	18.6	18.1	17.5	17.8	17.1	17.2	15.2	15.8	Monitor Discontinued
180970066/84	Marion	Indianapolis-Combined (English Avenue & School 21)								14.3	13.2
180970084	Marion	Indianapolis-School 21	Monitor began February 16, 2009							11.9	12.9
180970078	Marion	Indianapolis-Washington Park	17.0	16.2	15.4	15.4	15.0	15.4	14.3	13.6	12.7
180970079	Marion	Indianapolis-E. 75th Street	16.1	15.5	14.6	15.0	14.4	14.8	Monitor Discontinued		
180970081	Marion	Indianapolis-W. 18th Street	16.1	15.9	15.1	16.4	15.7	16.1	14.6	14.3	13.6
180970083	Marion	Indianapolis-E. Michigan Street	16.9	16.7	16.0	16.3	15.6	15.9	14.4	13.8	13.2
			Value above the Annual $PM_{2.5}$ standard.								
			Source oriented monitor NOT compared to the Annual $PM_{2.5}$ Standard								

Blue Text Indicates Design Value Based on One Year of Data

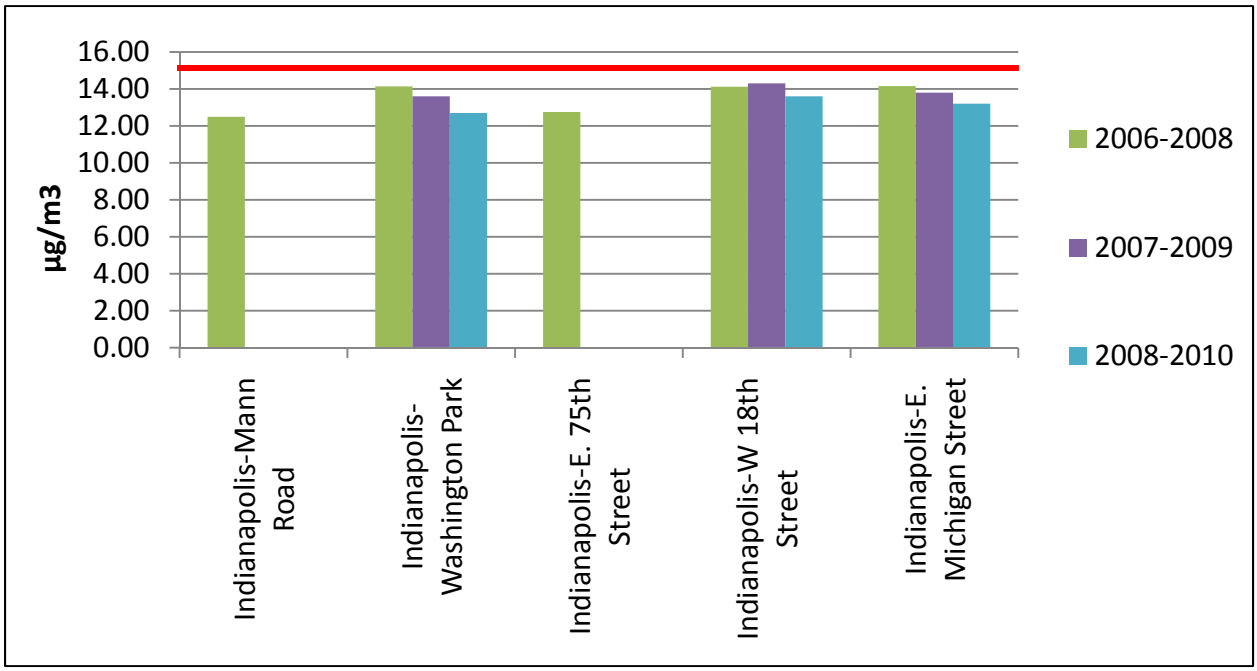
Green Text Indicates Design Value Based on Two Years of Data

The Indianapolis-Mann Road and E. 75th Street monitors were discontinued December 31, 2007.

The Indianapolis-West Street monitor is a source oriented monitor and is not compared to the Annual $PM_{2.5}$ Standard.

The Indianapolis-English Avenue and Indianapolis School 21 monitors are source oriented monitors and are not compared to the Annual $PM_{2.5}$ Standard. The Indianapolis-English Avenue monitor was replaced by the Indianapolis-School 21 monitor in 2009. Data for 2009 as well as the 2007-2009 and 2008-2010 design values have been combined. The Indianapolis-School 21 monitor began operation on February 16, 2009.

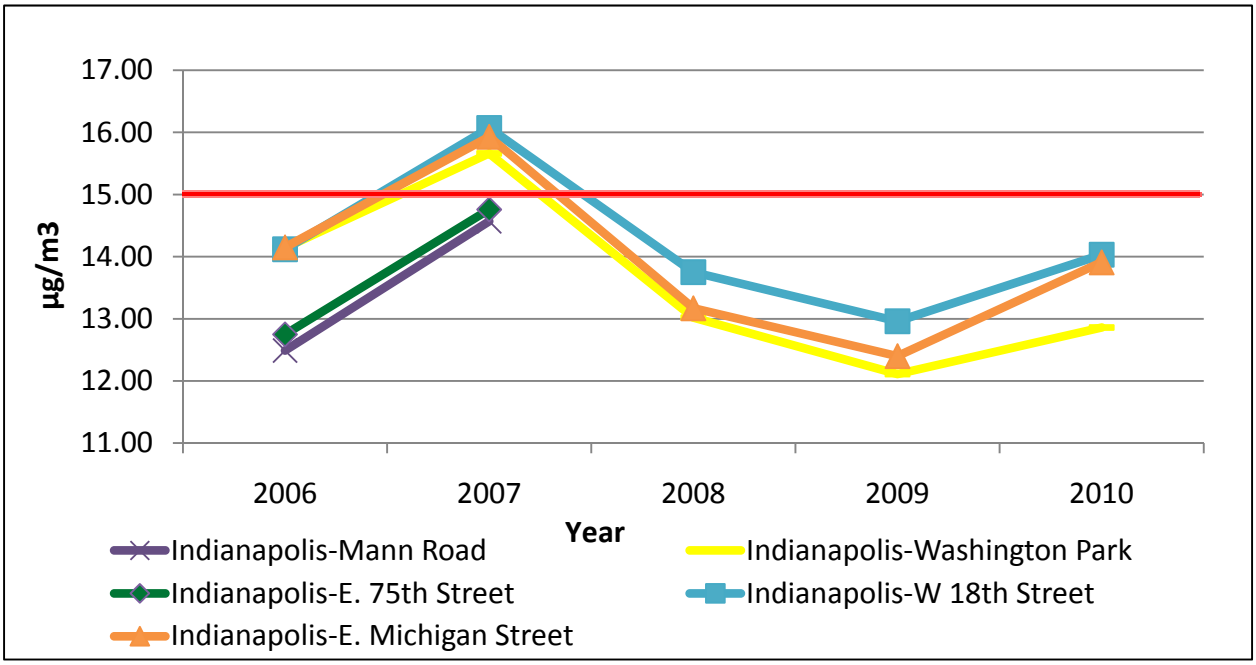
Design Values for the Central Indiana Area for Fine Particles, 2006-2010



Red line represents the annual standard for fine particles of 15 µg/m^3

Note: The Indianapolis Mann Road and E. 75th Street monitors were discontinued December 31, 2007.

Central Indiana Annual Fine Particles Trends, 2006-2010



Red line represents the annual standard for fine particles of 15 µg/m^3

Note: The Indianapolis Mann Road and E. 75th Street monitors were discontinued December 31, 2007.

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APPENDIX B

Nitrogen Oxides (NO_x), Sulfur Dioxide (SO_2), and Direct Fine Particle ($PM_{2.5}$) Point Source Emissions (2002, 2006, and 2008) for Central Indiana Area

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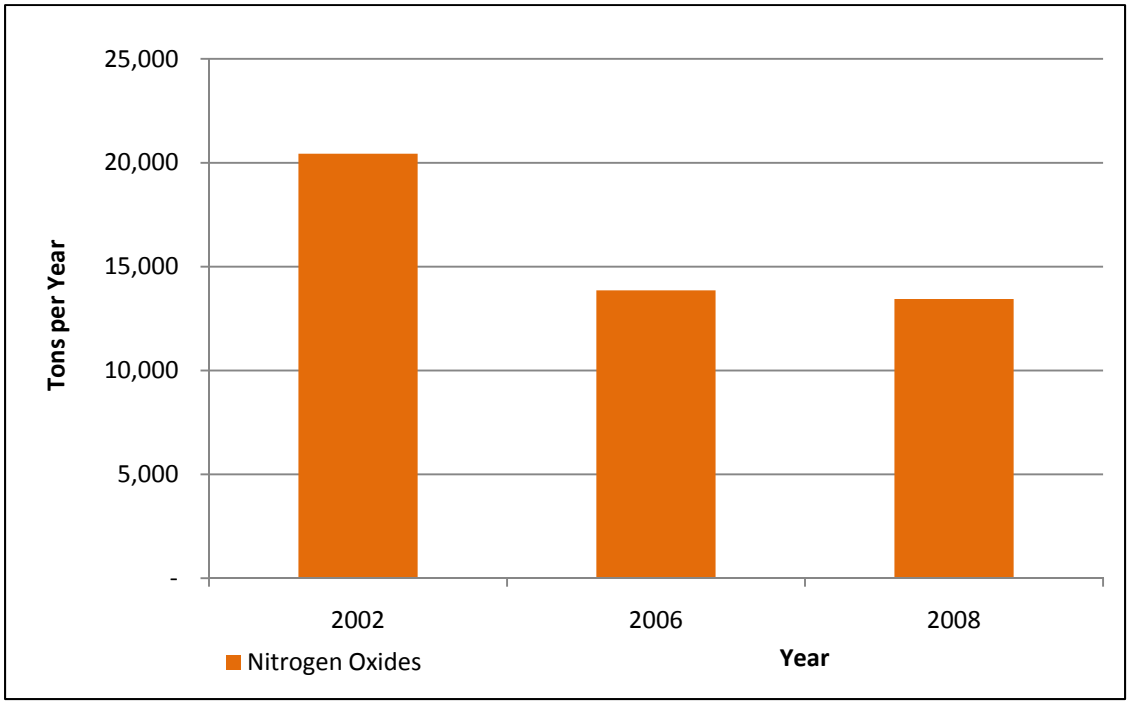
Point Source Totals (Tons per Year)			
Year	**NO_x**	**SO_2**	**Direct $PM_{2.5}$**
2002	20,433.94	72,984.11	764.23
2006	13,856.27	61,371.00	1,607.17
2008	13,443.43	40,442.99	2,809.54

2002 Point Source Emissions (Tons per Year)						
County	**EGU-NO_x**	**NON-EGU-NO_x**	**EGU-SO_2**	**NON-EGU-SO_2**	**EGU- Direct $PM_{2.5}$**	**NON-EGU-Direct $PM_{2.5}$**
Hamilton County	1,152.70	57.12	3,661.20	90.10	8.59	12.97
Hendricks County	0.00	3.23	0.00	0.40	0.00	57.15
Johnson County	0.00	10.88	0.00	0.05	0.00	0.60
Marion County	6,740.82	7,601.19	47,271.03	3,817.70	74.47	483.95
Morgan County	4,494.50	373.50	17,216.30	927.33	27.60	98.90
Subtotal	**12,388.02**	**8,045.92**	**68,148.53**	**4,835.58**	**110.66**	**653.57**
	NO_x		**SO_2**		**Direct $PM_{2.5}$**	
Grand Total	**20,433.94**		**72,984.11**		**764.23**	

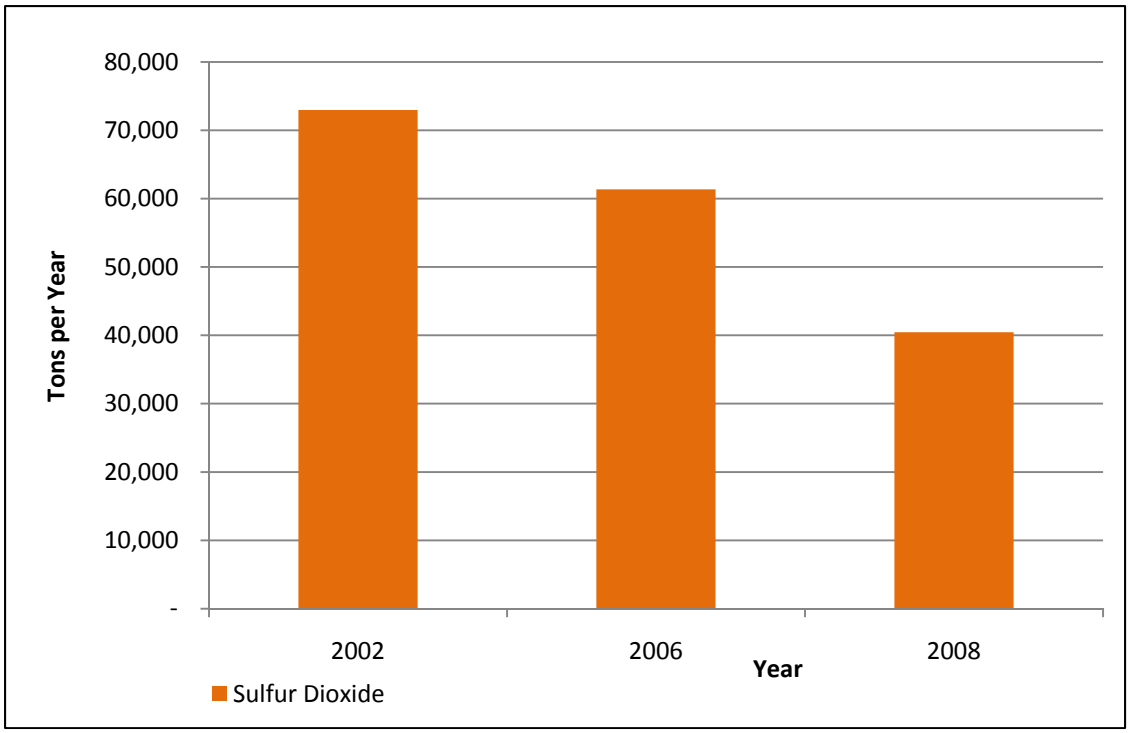
2006 Point Source Emissions (Tons per Year)						
County	**EGU-NO_x**	**NON-EGU-NO_x**	**EGU-SO_2**	**NON-EGU-SO_2**	**EGU- Direct $PM_{2.5}$**	**NON-EGU-Direct $PM_{2.5}$**
Hamilton County	30.57	6.36	0.83	0.62	9.69	7.98
Hendricks County	0.00	98.44	0.00	88.33	0.00	31.22
Johnson County	0.00	6.15	0.00	0.04	0.00	0.49
Marion County	4,064.89	5,707.13	40,760.76	2,933.78	590.15	725.54
Morgan County	3724.93	217.80	16,689.70	896.94	163.90	78.20
Subtotal	**7,820.39**	**6035.88**	**57,451.29**	**3,919.71**	**763.74**	**843.43**
	NO_x		**SO_2**		**Direct $PM_{2.5}$**	
Grand Total	**13,856.27**		**61,371.00**		**1,607.17**	

2008 Point Source Emissions (Tons per Year)						
County	**EGU-NO_x**	**NON-EGU-NO_x**	**EGU-SO_2**	**NON-EGU-SO_2**	**EGU- Direct $PM_{2.5}$**	**NON-EGU-Direct $PM_{2.5}$**
Hamilton County	35.50	6.30	0.28	0.26	3.32	8.99
Hendricks County	0.00	100.76	0.00	91.20	0.00	30.31
Johnson County	0.00	5.48	0.00	0.03	0.00	0.44
Marion County	3,045.88	5,910.48	23,580.27	1,411.36	1,535.20	677.02
Morgan County	4,102.60	236.43	14,446.50	913.09	427.97	126.29
Subtotal	**7,183.98**	**6,259.45**	**38,027.05**	**2,415.94**	**1,966.49**	**843.05**
	NO_x		**SO_2**		**Direct $PM_{2.5}$**	
Grand Total	**13,443.43**		**40,442.99**		**2,809.54**	

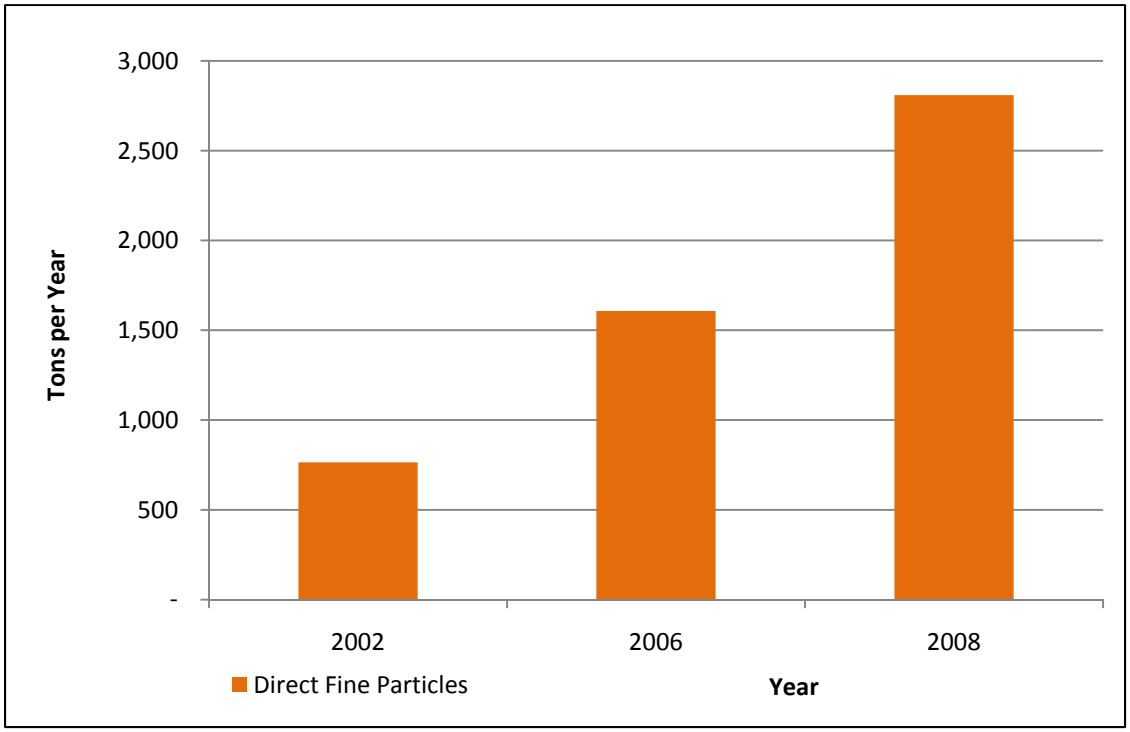
Central Indiana Area NO_x Point Source Emission Trends, 2002, 2006, and 2008



Central Indiana Area SO_2 Point Source Emission Trends, 2002, 2006, and 2008



Central Indiana Area Direct $PM_{2.5}$ Point Source Emission Trends, 2002, 2006, and 2008



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APPENDIX C

Nitrogen Oxides (NO_x), Sulfur Dioxide (SO_2), and Direct Fine Particle ($PM_{2.5}$) Emission Trends, All Sources, (2002, 2006, and 2008) for Central Indiana Area

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2002				
COUNTY	**Sector**	**NO_x**	**$PM_{2.5}$**	**SO_2**
HAMILTON	AREA	582.45	264.52	674.38
HAMILTON	NONROAD	1,804.71	162.39	192.22
HAMILTON	POINT	57.12	12.97	90.10
HAMILTON	EGU	1,152.70	8.59	3,661.20
HENDRICKS	AREA	277.30	123.46	275.82
HENDRICKS	NONROAD	1,666.03	112.96	167.19
HENDRICKS	POINT	3.23	57.15	0.40
HENDRICKS	EGU	0.00	0.00	0.00
JOHNSON	AREA	462.93	279.53	754.15
JOHNSON	NONROAD	733.62	69.60	70.88
JOHNSON	POINT	10.88	0.60	0.05
JOHNSON	EGU	0.00	0.00	0.00
MARION	AREA	4,000.66	2,092.57	6,672.71
MARION	NONROAD	7,292.64	453.80	642.68
MARION	POINT	7,601.19	483.95	3,817.70
MARION	EGU	6,740.82	74.47	47,271.03
MORGAN	AREA	194.78	174.85	299.29
MORGAN	NONROAD	476.65	48.98	48.03
MORGAN	POINT	373.50	98.90	927.33
MORGAN	EGU	4,494.50	27.60	17,216.30
5 COUNTY TOTAL (Hamilton, Hendricks, Johnson, Marion, and Morgan Counties)	ONROAD	38,059.50	670.50	1,219.50

2002 TOTALS						
	AREA	**NONROAD**	**ONROAD**	**POINT**	**EGU**	**GRAND TOTAL**
NO_x	5,518.12	11,973.65	38,059.50	8,045.92	12,388.02	75,985.21
Direct $PM_{2.5}$	2,934.93	847.73	670.50	653.57	110.66	5,217.39
SO_2	8,676.35	1,121.00	1,219.50	4,835.58	68,148.53	84,000.96

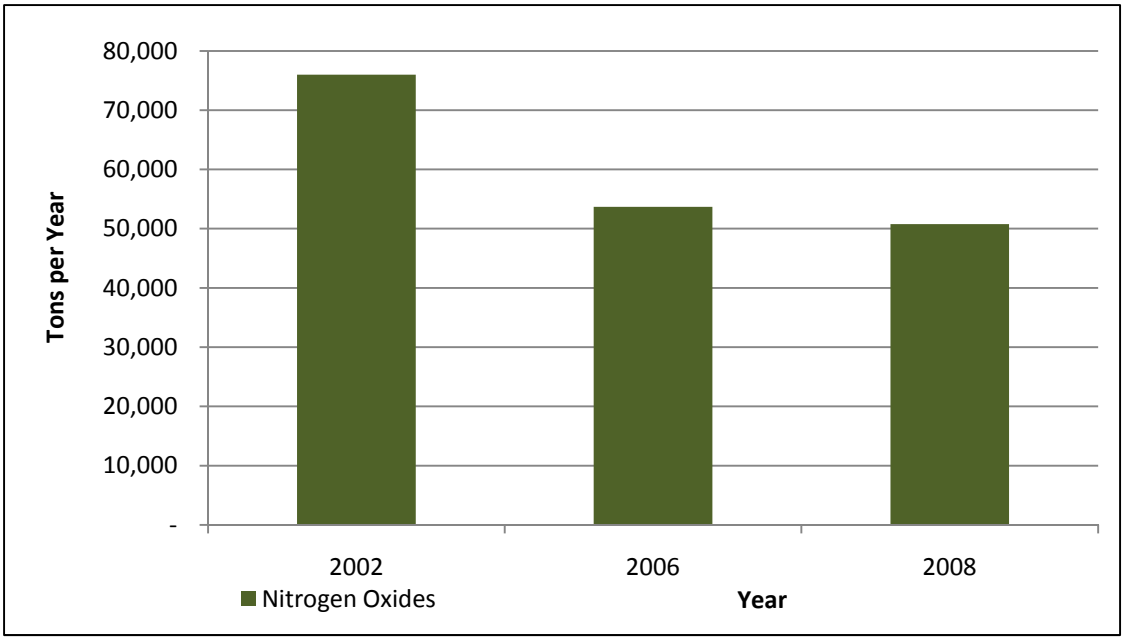
2006				
COUNTY	**Sector**	**NO_x**	**$PM_{2.5}$**	**SO_2**
HAMILTON	AREA	569.48	7.29	215.31
HAMILTON	NONROAD	2,658.44	226.37	276.55
HAMILTON	POINT	6.36	7.98	0.662
HAMILTON	EGU	30.57	9.69	0.83
HENDRICKS	AREA	280.52	4.98	114.69
HENDRICKS	NONROAD	1,709.74	131.58	183.49
HENDRICKS	POINT	98.44	31.22	88.33
HENDRICKS	EGU	0.00	0.00	0.00
JOHNSON	AREA	404.04	4.53	138.10
JOHNSON	NONROAD	945.49	78.31	88.51
JOHNSON	POINT	6.15	0.49	0.04
JOHNSON	EGU	0.00	0.00	0.00
MARION	AREA	3,394.86	61.91	1,264.82
MARION	NONROAD	6,498.64	422.61	558.56
MARION	POINT	5,707.13	725.54	2,933.78
MARION	EGU	4,064.89	590.15	40,760.76
MORGAN	AREA	192.11	6.99	87.87
MORGAN	NONROAD	449.60	42.71	39.79
MORGAN	POINT	217.80	78.20	896.94
MORGAN	EGU	3,724.93	163.90	16,689.70
5 COUNTY TOTAL (Hamilton, Hendricks, Johnson, Marion, and Morgan Counties)	ONROAD	22,734.38	416.63	842.20

2006 TOTALS						
	AREA	**NONROAD**	**ONROAD**	**POINT**	**EGU**	**GRAND TOTAL**
NO_x	4,481.01	12,261.91	22,734.38	6,035.88	7,820.39	53,693.57
Direct $PM_{2.5}$	85.70	901.58	416.63	843.43	763.74	3,011.08
SO_2	1,820.79	1,146.90	842.20	3,919.71	57,451.29	65,180.89

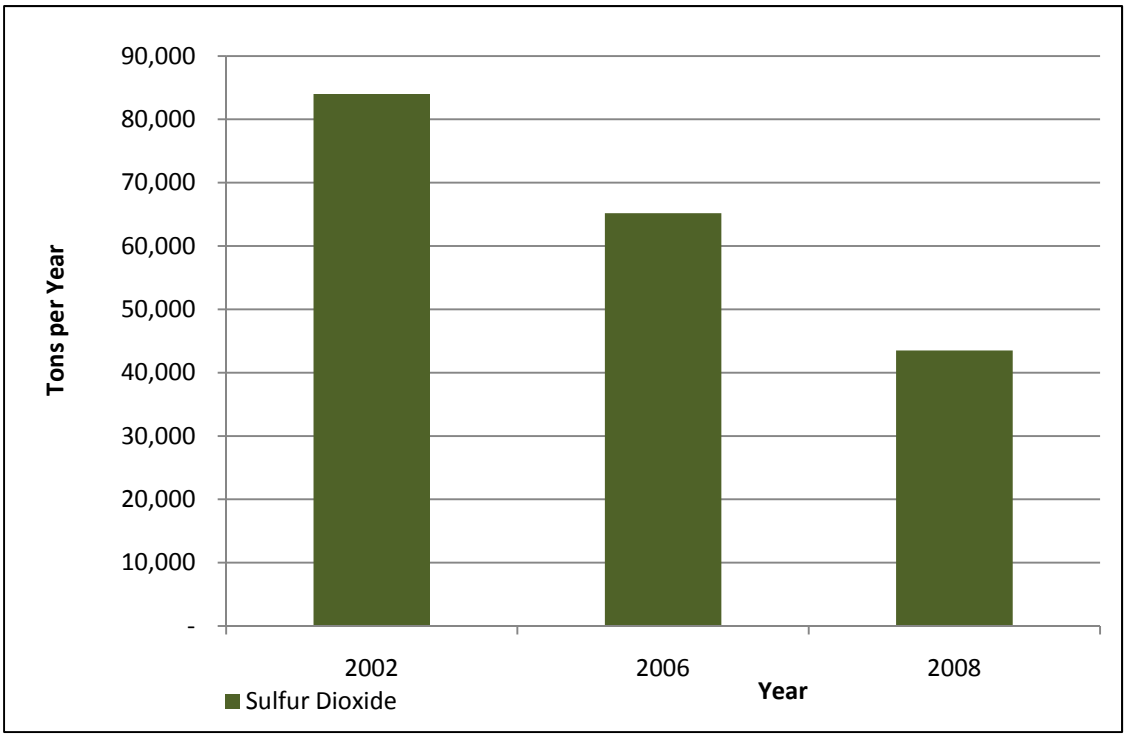
2008				
COUNTY	**Sector**	**NO_x**	**$PM_{2.5}$**	**SO_2**
HAMILTON	AREA	576.68	7.29	217.68
HAMILTON	NONROAD	2,427.29	202.68	128.14
HAMILTON	POINT	6.30	8.99	0.26
HAMILTON	EGU	35.50	3.32	0.28
HENDRICKS	AREA	284.27	5.01	115.60
HENDRICKS	NONROAD	1,532.19	115.34	92.72
HENDRICKS	POINT	100.76	30.31	91.20
HENDRICKS	EGU	0.00	0.00	0.00
JOHNSON	AREA	408.11	4.54	139.36
JOHNSON	NONROAD	856.69	69.93	41.84
JOHNSON	POINT	5.48	0.44	0.03
JOHNSON	EGU	0.00	0.00	0.00
MARION	AREA	3,421.65	61.52	1,268.32
MARION	NONROAD	5,722.65	378.65	294.55
MARION	POINT	5,910.48	677.02	1,411.36
MARION	EGU	3,045.88	1,535.20	23,580.27
MORGAN	AREA	195.20	7.00	89.06
MORGAN	NONROAD	414.86	38.82	18.88
MORGAN	POINT	236.43	126.29	913.09
MORGAN	EGU	4,102.60	427.97	14,446.50
5 COUNTY TOTAL (Hamilton, Hendricks, Johnson, Marion, and Morgan Counties)	ONROAD	21,494.74	403.67	653.54

2008 TOTALS						
	AREA	**NONROAD**	**ONROAD**	**POINT**	**EGU**	**GRAND TOTAL**
NO_x	4,885.91	10,953.68	21,494.74	6,259.45	7,183.98	50,777.76
Direct $PM_{2.5}$	85.36	805.42	403.67	1,966.49	843.05	4,103.99
SO_2	1,830.02	576.13	653.54	2,415.94	38,027.05	43,502.68

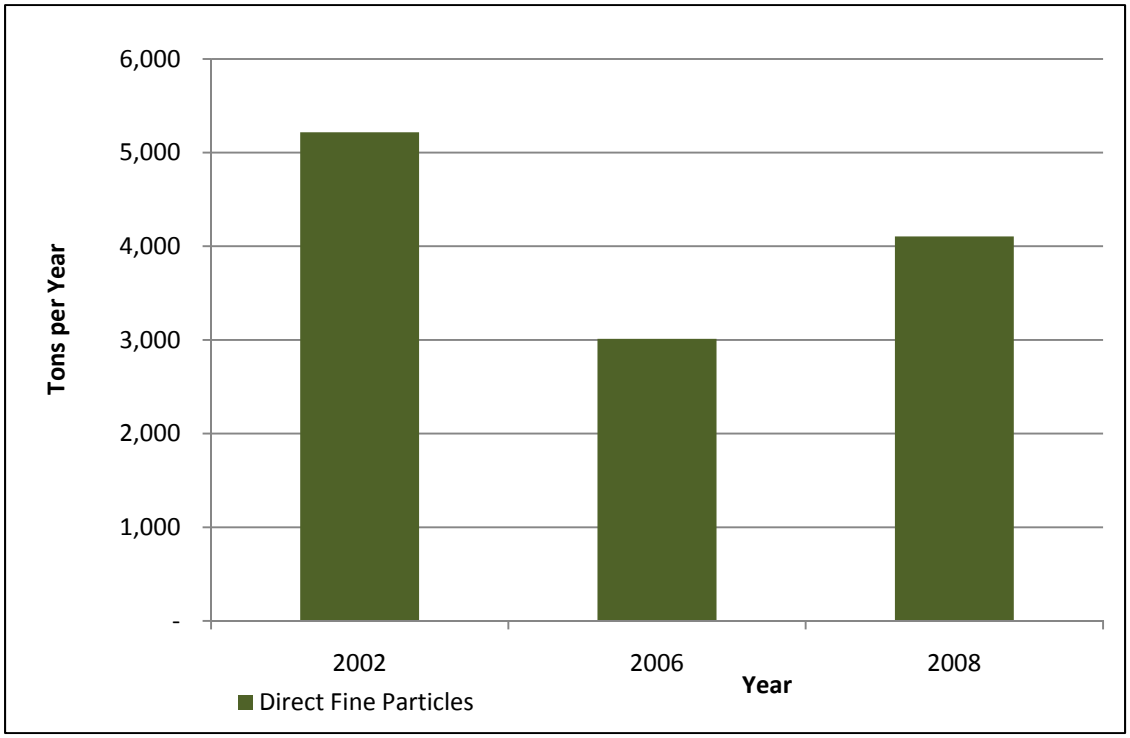
NO_x Emission Trends, All Sources in the Central Indiana Area, 2002, 2006, and 2008



SO_2 Emission Trends, All Sources in the Central Indiana Area, 2002, 2006, and 2008



Direct $PM_{2.5}$ Emission Trends, All Sources in Central Indiana Area, 2002, 2006, and 2008



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APPENDIX D

Nitrogen Oxides (NO_x) and Sulfur Dioxide (SO_2) Emissions from Electric Generating Units (EGUs), Central Indiana Area

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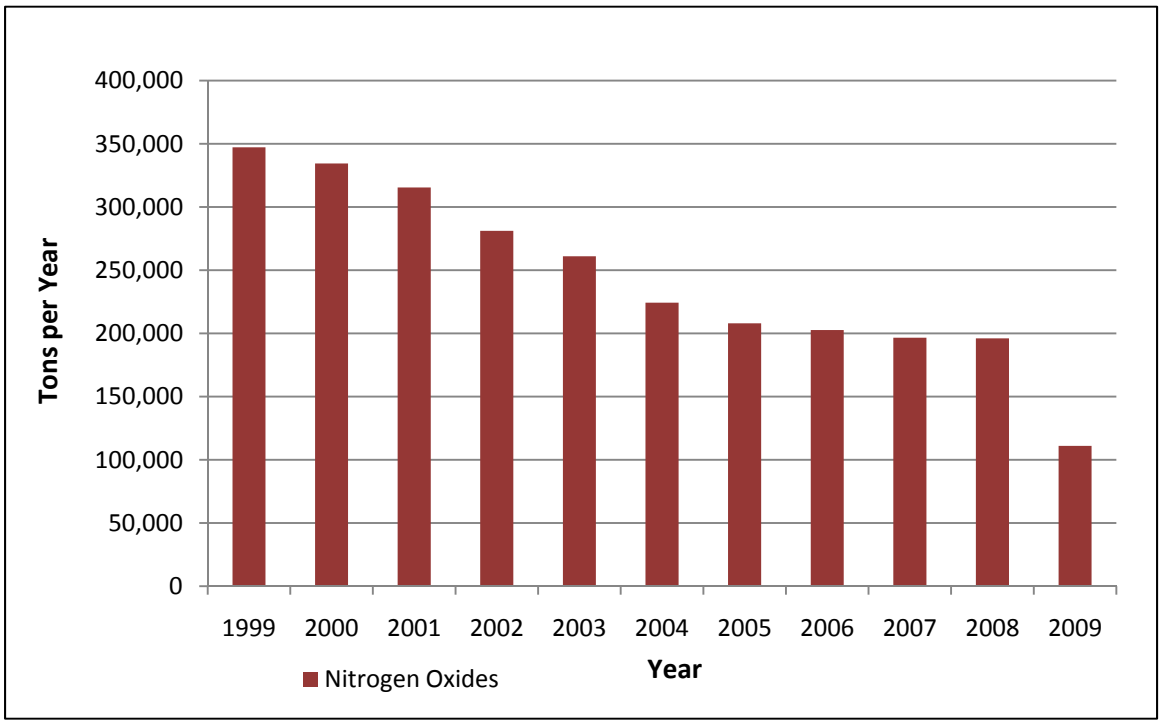
Statewide Indiana NO_x Emissions from EGUs

Year	NO_x Emissions (Tons per Year)
1999	347,216.5
2000	334,522.1
2001	315,419.7
2002	281,146.1
2003	260,980.0
2004	224,311.3
2005	207,981.6
2006	202,728.0
2007	196,553.1
2008	196,134.5
2009	110,968.9

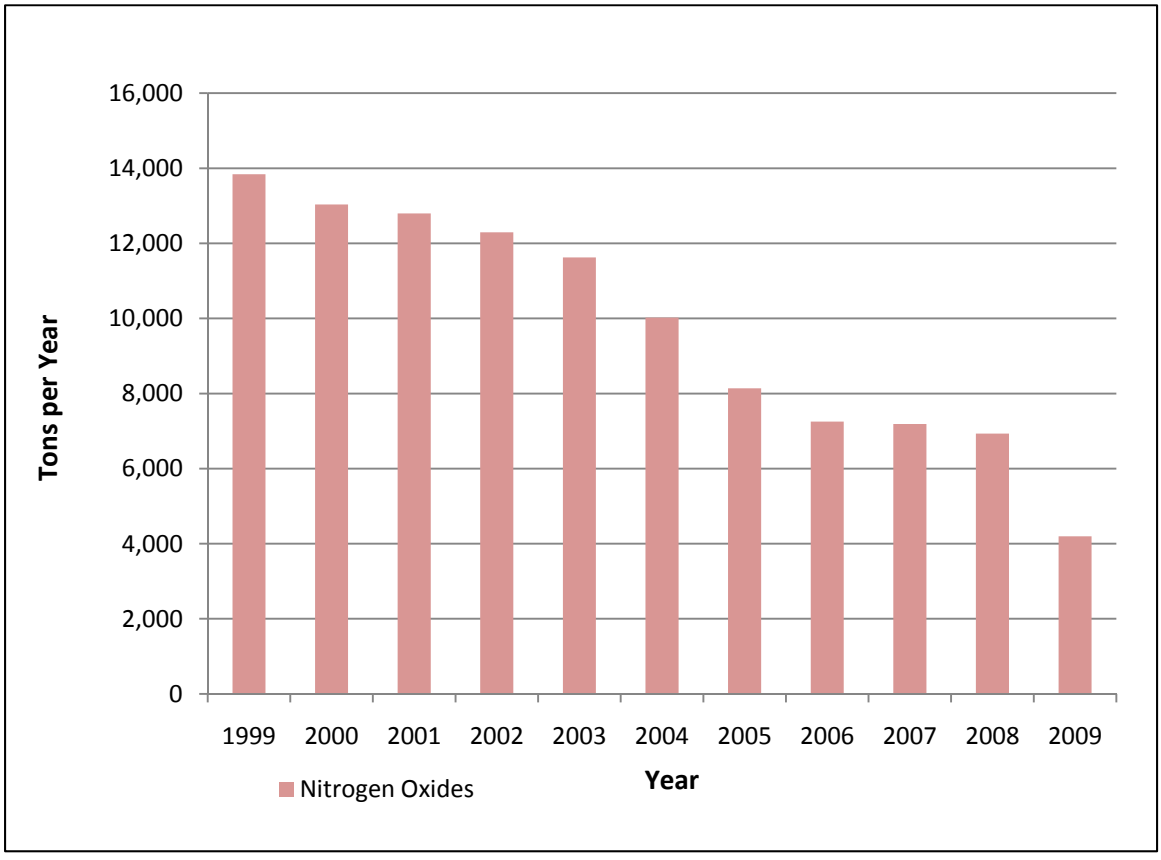
Indiana Statewide NO_x Emissions from EGUs, 1999 to 2009



Central Indiana NO_x Emissions from EGUs

Facility	NO_x Emissions (Tons per Year)
1999	13,841.9
2000	13,036.2
2001	12,796.3
2002	12,295.7
2003	11,627.0
2004	10,021.6
2005	8,140.5
2006	7,254.4
2007	7,190.4
2008	6,932.0
2009	4,198.9

NO_x Emissions from EGUs, Central Indiana Area, 1999 to 2009



Central Indiana NO_x Emissions from EGUs 1999	
Facility	**Emissions (Tons per Year)**
Indianapolis Power & Light (IPL) Eagle Valley Generating Station	3,785.1
IPL Harding Street Generating Station	7,899.7
Noblesville	2,157.1
Total	**13,841.9**

Central Indiana NO_x Emissions from EGUs 2000	
Facility	**Emissions (Tons per Year)**
Anderson	9.3
IPL Eagle Valley Generating Station	4,444.5
IPL Georgetown Substation	3.0
IPL Harding Street Generating Station	6,434.3
Noblesville	2,145.1
Total	**13,036.2**

Central Indiana NO_x Emissions from EGUs 2001	
Facility	**Emissions (Tons per Year)**
Anderson	5.4
IPL Eagle Valley Generating Station	4,480.3
IPL Georgetown Substation	8.5
IPL Harding Street Generating Station	6,723.7
Noblesville	1,578.4
Total	**12,796.3**

Central Indiana NO_x Emissions from EGUs 2002	
Facility	**Emissions (Tons per Year)**
Anderson	5.2
IPL Eagle Valley Generating Station	4,494.5
IPL Georgetown Substation	9.6
IPL Harding Street Generating Station	6,633.7
Noblesville	1,152.7
Total	**12,295.7**

Central Indiana NO_x Emissions from EGUs 2003	
Facility	**Emissions (Tons per Year)**
Anderson	3.5
IPL Eagle Valley Generating Station	4,427.6
IPL Georgetown Substation	1.0
IPL Harding Street Generating Station	6,352.3
Noblesville	842.6
Total	**11,627.0**

Central Indiana NO_x Emissions from EGUs 2004	
Facility	**Emissions (Tons per Year)**
Anderson	1.9
IPL Eagle Valley Generating Station	3,756.9
IPL Georgetown Substation	2.6
IPL Harding Street Generating Station	6,238.0
Noblesville	22.2
Total	**10,021.6**

Central Indiana NO_x Emissions from EGUs 2005	
Facility	**Emissions (Tons per Year)**
Anderson	1.9
IPL Eagle Valley Generating Station	3,536.1
IPL Georgetown Substation	16.5
IPL Harding Street Generating Station	4,557.9
Noblesville	28.1
Total	**8,140.5**

Central Indiana NO_x Emissions from EGUs 2006	
Facility	**Emissions (Tons per Year)**
Anderson	2.7
IPL Eagle Valley Generating Station	2,897.8
IPL Georgetown Substation	7.5
IPL Harding Street Generating Station	4,336.4
Noblesville	10.0
Total	**7,254.4**

Central Indiana NO_x Emissions from EGUs 2007	
Facility	**Emissions (Tons per Year)**
Anderson	3.1
IPL Eagle Valley Generating Station	2,879.4
IPL Georgetown Substation	9.5
IPL Harding Street Generating Station	4,270.5
Noblesville	27.9
Total	**7,190.4**

Central Indiana NO_x Emissions from EGUs 2008	
Facility	**Emissions (Tons per Year)**
Anderson	2.9
IPL Eagle Valley Generating Station	2,348.3
IPL Georgetown Substation	1.7
IPL Harding Street Generating Station	4,548.0
Noblesville	31.1
Total	**6,932.0**

Central Indiana NO_x Emissions from EGUs 2009	
Facility	**Emissions (Tons per Year)**
Anderson	2.9
IPL Eagle Valley Generating Station	1,461.5
IPL Georgetown Substation	3.0
IPL Harding Street Generating Station	2,721.8
Noblesville	9.7
Total	**4,198.9**

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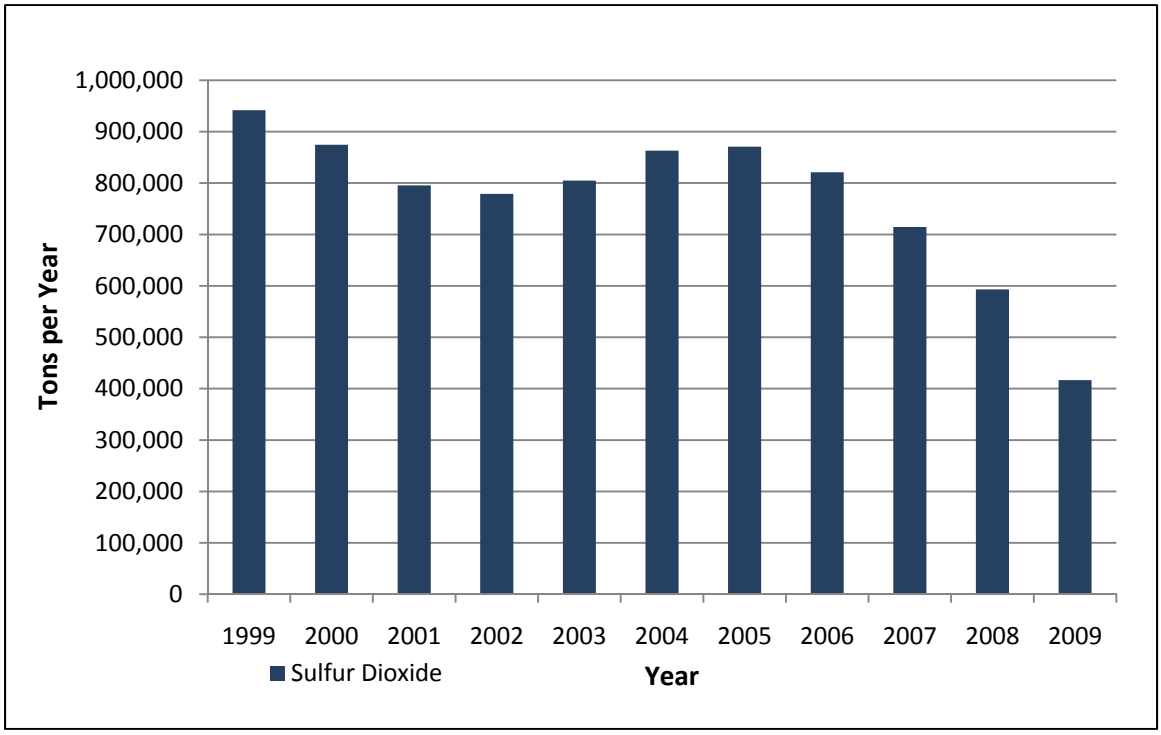
Statewide Indiana SO_2 Emissions from EGUs

Year	SO_2 Emissions (Tons per Year)
1999	941,852.4
2000	874,617.2
2001	795,505.6
2002	778,868.0
2003	804,828.6
2004	862,876.4
2005	870,811.8
2006	820,993.4
2007	714,529.2
2008	593,154.0
2009	416,726.4

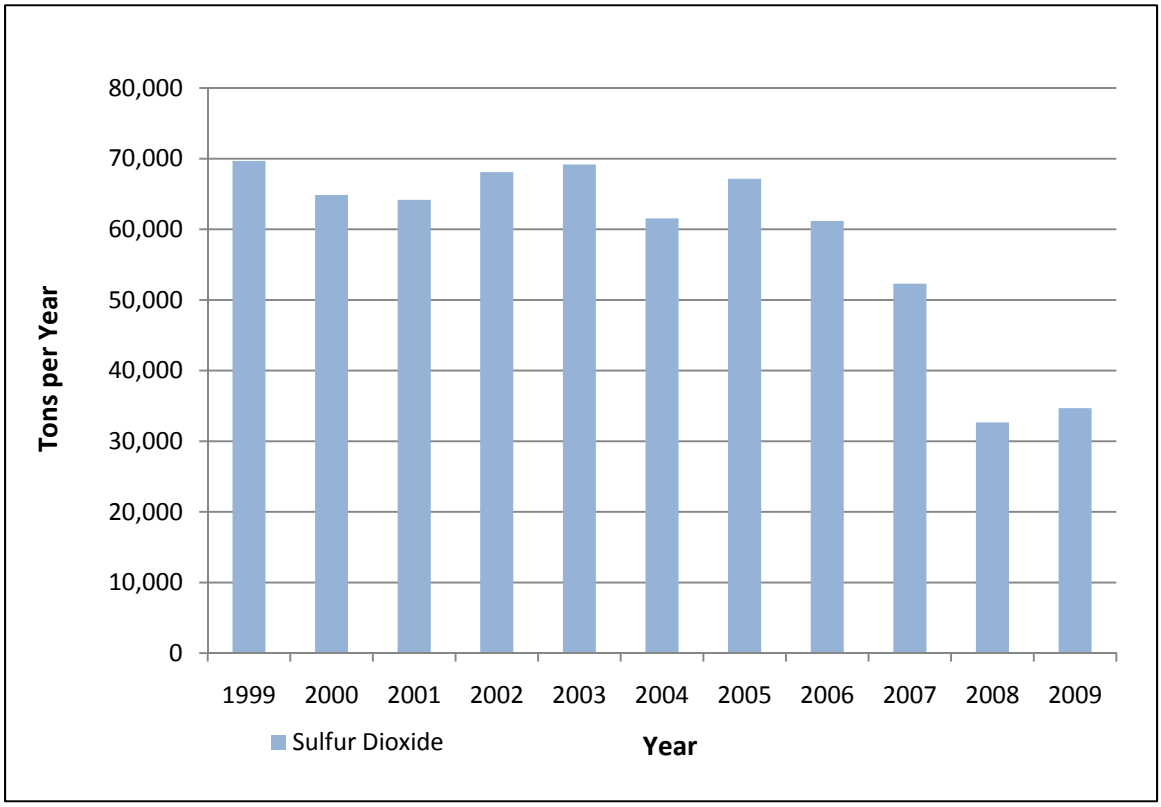
Indiana Statewide SO_2 Emissions from EGUs, 1999 to 2009



Central Indiana SO_2 Emissions from EGUs

Facility	SO_2 Emissions (Tons per Year)
1999	69,678.6
2000	64,849.9
2001	64,173.2
2002	68,096.0
2003	69,178.4
2004	61,543.5
2005	67,163.8
2006	61,176.2
2007	52,303.5
2008	32,660.2
2009	34,690.6

SO_2 Emissions from EGUs, Central Indiana Area, 1999 to 2009



Central Indiana SO_2 Emissions from EGUs 1999	
Facility	**Emissions (Tons per Year)**
IPL Eagle Valley Generating Station	15,475.7
IPL Harding Street Generating Station	44,589.6
Noblesville	9,613.3
Total	**69,678.6**

Central Indiana SO_2 Emissions from EGUs 2000	
Facility	**Emissions (Tons per Year)**
Anderson	3.3
IPL Eagle Valley Generating Station	17,662.6
IPL Georgetown Substation	0.1
IPL Harding Street Generating Station	40,309.8
Noblesville	6,874.1
Total	**64,849.9**

Central Indiana SO_2 Emissions from EGUs 2001	
Facility	**Emissions (Tons per Year)**
Anderson	0.7
IPL Eagle Valley Generating Station	16,431.5
IPL Georgetown Substation	0.2
IPL Harding Street Generating Station	43,052.7
Noblesville	4,688.1
Total	**64,173.2**

Central Indiana SO_2 Emissions from EGUs 2002	
Facility	**Emissions (Tons per Year)**
Anderson	0.4
IPL Eagle Valley Generating Station	17,216.3
IPL Georgetown Substation	0.2
IPL Harding Street Generating Station	47,267.9
Noblesville	3,611.2
Total	**68,096.0**

Central Indiana SO_2 Emissions from EGUs 2003	
Facility	**Emissions (Tons per Year)**
Anderson	1.4
IPL Eagle Valley Generating Station	16,935.5
IPL Georgetown Substation	0.0
IPL Harding Street Generating Station	51,016.9
Noblesville	1,224.6
Total	**69,178.4**

Central Indiana SO_2 Emissions from EGUs 2004	
Facility	**Emissions (Tons per Year)**
Anderson	0.1
IPL Eagle Valley Generating Station	16,759.7
IPL Georgetown Substation	0.1
IPL Harding Street Generating Station	44,782.9
Noblesville	0.7
Total	**61,543.5**

Central Indiana SO_2 Emissions from EGUs 2005	
Facility	**Emissions (Tons per Year)**
Anderson	0.4
IPL Eagle Valley Generating Station	17,811.3
IPL Georgetown Substation	0.3
IPL Harding Street Generating Station	49,350.7
Noblesville	1.1
Total	**67,163.8**

Central Indiana SO_2 Emissions from EGUs 2006	
Facility	**Emissions (Tons per Year)**
Anderson	0.1
IPL Eagle Valley Generating Station	14,829.3
IPL Georgetown Substation	0.2
IPL Harding Street Generating Station	46,346.2
Noblesville	0.4
Total	**61,176.2**

Central Indiana SO_2 Emissions from EGUs 2007	
Facility	**Emissions (Tons per Year)**
Anderson	0.0
IPL Eagle Valley Generating Station	16,100.9
IPL Georgetown Substation	0.2
IPL Harding Street Generating Station	36,201.4
Noblesville	1.0
Total	**52,303.5**

Central Indiana SO_2 Emissions from EGUs 2008	
Facility	**Emissions (Tons per Year)**
Anderson	0.0
IPL Eagle Valley Generating Station	13,086.2
IPL Georgetown Substation	0.0
IPL Harding Street Generating Station	19,573.0
Noblesville	1.0
Total	**32,660.2**

Central Indiana SO_2 Emissions from EGUs 2009	
Facility	**Emissions (Tons per Year)**
Anderson	0.6
IPL Eagle Valley Generating Station	11,091.3
IPL Georgetown Substation	0.1
IPL Harding Street Generating Station	23,598.3
Noblesville	0.3
Total	**34,690.6**

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APPENDIX E

2006 and 2008 Base Years Emission Inventories and 2015, 2020, and 2025 Projected Emission Inventories for Nitrogen Oxides (NO_x), Sulfur Dioxide (SO_2), and Direct Fine Particles ($PM_{2.5}$) for Central Indiana Area

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2006 Central Indiana Area (Tons Per Year)

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
Direct $PM_{2.5}$	**HAMILTON COUNTY**	416.63	226.37	7.29	9.69	7.98	**251.33**
	HENDRICKS COUNTY		131.58	4.98	0.00	31.22	**167.78**
	JOHNSON COUNTY		78.31	4.53	0.00	0.49	**83.33**
	MARION COUNTY		422.61	61.91	590.15	725.54	**1,800.21**
	MORGAN COUNTY		42.71	6.99	163.90	78.20	**291.80**
		416.63	**901.58**	**85.70**	**763.74**	**843.43**	
					GRAND TOTAL w/ ONROAD		**3,011.08**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
SO_2	**HAMILTON COUNTY**	842.20	276.55	215.31	0.83	0.62	**493.31**
	HENDRICKS COUNTY		183.49	114.69	0.00	88.33	**386.51**
	JOHNSON COUNTY		88.51	138.10	0.00	0.04	**226.65**
	MARION COUNTY		558.56	1,264.82	40,760.76	2,933.78	**45,517.92**
	MORGAN COUNTY		39.79	87.87	16,689.70	896.94	**17,714.30**
		842.20	**1,146.90**	**1,820.79**	**57,451.29**	**3,919.71**	
					GRAND TOTAL w/ ONROAD		**65,180.89**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
NO_x	**HAMILTON COUNTY**	22,734.38	2,658.44	569.48	30.57	6.36	**3,264.85**
	HENDRICKS COUNTY		1,709.74	280.52	0.00	98.44	**2,088.70**
	JOHNSON COUNTY		945.49	404.04	0.00	6.15	**1,355.68**
	MARION COUNTY		6,498.64	3,394.86	4,064.89	5,707.13	**19,665.52**
	MORGAN COUNTY		449.60	192.11	3,724.93	217.80	**4,584.44**
		22,734.38	**12,261.91**	**4,841.01**	**7,820.39**	**6,035.88**	
					GRAND TOTAL w/ ONROAD		**53,693.57**

2008 Central Indiana Area (Tons Per Year)

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
Direct $PM_{2.5}$	**HAMILTON COUNTY**	403.67	202.68	7.29	3.32	8.99	**222.28**
	HENDRICKS COUNTY		115.34	5.01	0.00	30.31	**150.66**
	JOHNSON COUNTY		69.93	4.54	0.00	0.44	**74.91**
	MARION COUNTY		378.65	61.52	1,535.20	677.02	**2,652.39**
	MORGAN COUNTY		38.82	7.00	427.97	126.29	**600.08**
		403.67	**805.42**	**85.36**	**1,966.49**	**843.05**	
						GRAND TOTAL w/ ONROAD	**4,103.99**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
SO_2	**HAMILTON COUNTY**	653.54	128.14	217.68	0.28	0.26	**346.36**
	HENDRICKS COUNTY		92.72	115.60	0.00	91.20	**299.52**
	JOHNSON COUNTY		41.84	139.36	0.00	0.03	**181.23**
	MARION COUNTY		294.55	1,268.32	23,580.27	1,411.36	**26,554.50**
	MORGAN COUNTY		18.88	89.06	14,446.50	913.09	**15,467.53**
		653.54	**576.13**	**1,830.02**	**38,027.05**	**2,415.94**	
						GRAND TOTAL w/ ONROAD	**43,502.68**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
NO_x	**HAMILTON COUNTY**	21,494.74	2,427.29	576.68	35.50	6.30	**3,045.77**
	HENDRICKS COUNTY		1,532.19	284.27	0.00	100.76	**1,917.22**
	JOHNSON COUNTY		856.69	408.11	0.00	5.48	**1,270.28**
	MARION COUNTY		5,722.65	3,421.65	3,045.88	5,910.48	**18,100.66**
	MORGAN COUNTY		414.86	195.20	4,102.60	236.43	**4,949.09**
		21,494.74	**10,953.68**	**4,885.91**	**7,183.98**	**6,259.45**	
						GRAND TOTAL w/ ONROAD	**50,777.76**

2015 Central Indiana Area (Tons Per Year)

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
Direct $PM_{2.5}$	**HAMILTON COUNTY**	289.67	133.61	7.06	0.13	9.19	**149.99**
	HENDRICKS COUNTY		69.92	4.91	0.00	29.28	**104.11**
	JOHNSON COUNTY		45.46	4.40	0.00	0.42	**50.28**
	MARION COUNTY		260.03	58.63	2,007.70	636.70	**2,963.06**
	MORGAN COUNTY		28.74	6.77	560.01	147.15	**742.67**
		289.67	**537.76**	**81.77**	**2,567.84**	**822.74**	
						GRAND TOTAL w/ ONROAD	**4,299.78**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
SO_2	**HAMILTON COUNTY**	498.20	20.01	214.53	0.00	0.08	**234.62**
	HENDRICKS COUNTY		27.26	111.84	0.00	90.06	**229.16**
	JOHNSON COUNTY		7.84	136.14	0.00	0.03	**144.01**
	MARION COUNTY		106.85	1,230.10	14,989.76	639.90	**16,966.61**
	MORGAN COUNTY		3.65	85.42	13,324.90	901.58	**14,315.55**
		498.20	**165.61**	**1,778.03**	**28,314.66**	**1,631.65**	
						GRAND TOTAL w/ ONROAD	**32,388.15**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
NO_x	**HAMILTON COUNTY**	12,259.66	1,552.70	571.85	37.96	6.27	**2,168.78**
	HENDRICKS COUNTY		968.40	281.91	0.00	100.56	**1,350.87**
	JOHNSON COUNTY		555.02	402.19	0.00	5.14	**962.35**
	MARION COUNTY		3,776.46	3,359.71	2,535.50	5,915.44	**15,587.11**
	MORGAN COUNTY		294.14	193.16	4,291.44	240.57	**5,019.31**
		12,259.66	**7,146.72**	**4,808.82**	**6,864.90**	**6,267.98**	
						GRAND TOTAL w/ ONROAD	**37,348.08**

2020 Central Indiana Area (Tons Per Year)

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
Direct $PM_{2.5}$	**HAMILTON COUNTY**	275.11	93.73	6.88	0.13	8.94	**109.68**
	HENDRICKS COUNTY		44.83	4.81	0.00	28.81	**78.45**
	JOHNSON COUNTY		31.41	4.29	0.00	0.42	**36.12**
	MARION COUNTY		191.29	56.42	2,007.69	623.48	**2,878.88**
	MORGAN COUNTY		22.75	6.57	560.01	144.52	**733.85**
		275.11	**384.01**	**78.97**	**2,567.83**	**806.17**	
						GRAND TOTAL w/ ONROAD	**4,112.09**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
SO_2	**HAMILTON COUNTY**	531.68	2.50	210.96	0.00	0.08	**213.54**
	HENDRICKS COUNTY		14.56	108.40	0.00	87.95	**210.91**
	JOHNSON COUNTY		2.01	132.98	0.00	0.03	**135.02**
	MARION COUNTY		69.23	1,197.31	14,989.54	631.43	**16,887.51**
	MORGAN COUNTY		1.01	81.97	13,324.90	885.42	**14,293.30**
		531.68	**89.31**	**1,731.62**	**28,314.44**	**1,604.91**	
						GRAND TOTAL w/ ONROAD	**32,271.96**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
NO_x	**HAMILTON COUNTY**	9,752.70	1,034.53	564.87	37.96	6.27	**1,643.63**
	HENDRICKS COUNTY		644.30	278.41	0.00	99.43	**1,022.14**
	JOHNSON COUNTY		377.87	395.64	0.00	5.14	**778.65**
	MARION COUNTY		2,684.43	3,297.63	2,534.77	5,835.51	**14,352.34**
	MORGAN COUNTY		220.08	190.20	4,291.44	236.31	**4,938.03**
		9,752.70	**4,961.21**	**4,726.75**	**6,864.17**	**6,182.66**	
						GRAND TOTAL w/ ONROAD	**32,487.49**

2025 Central Indiana Area (Tons Per Year)

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
Direct $PM_{2.5}$	**HAMILTON COUNTY**	260.54	67.50	6.70	0.13	8.70	**83.03**
	HENDRICKS COUNTY		29.93	4.71	0.00	28.34	**62.98**
	JOHNSON COUNTY		22.32	4.18	0.00	0.42	**26.92**
	MARION COUNTY		143.54	54.32	2,007.67	610.60	**2,816.13**
	MORGAN COUNTY		18.23	6.39	560.01	141.95	**726.58**
		260.54	**281.52**	**76.30**	**2,567.81**	**790.01**	
						GRAND TOTAL w/ ONROAD	**3,976.18**

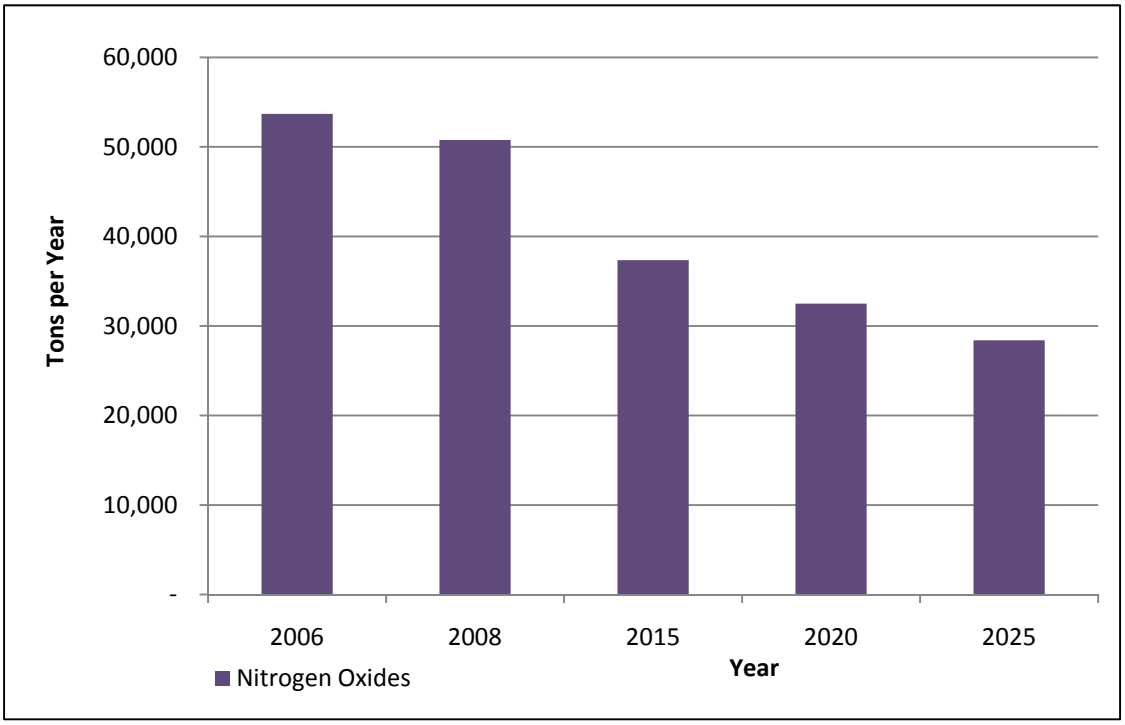
		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
SO_2	**HAMILTON COUNTY**	565.17	0.57	207.46	0.00	0.08	**208.11**
	HENDRICKS COUNTY		8.40	105.08	0.00	85.90	**199.38**
	JOHNSON COUNTY		0.70	129.90	0.00	0.03	**130.63**
	MARION COUNTY		46.62	1,165.59	14,989.32	623.09	**16,824.62**
	MORGAN COUNTY		0.37	78.69	13,324.90	869.62	**14,273.58**
		565.17	**56.66**	**1,686.72**	**28,314.22**	**1,578.72**	
						GRAND TOTAL w/ ONROAD	**32,201.49**

		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL w/o ONROAD
NO_x	**HAMILTON COUNTY**	7,245.74	713.10	558.00	37.96	6.27	**1,315.33**
	HENDRICKS COUNTY		443.58	274.96	0.00	98.32	**816.86**
	JOHNSON COUNTY		265.25	389.21	0.00	5.14	**659.60**
	MARION COUNTY		1,955.15	3,236.94	2,534.04	5,756.89	**13,483.02**
	MORGAN COUNTY		167.62	187.29	4,291.44	232.14	**4,878.49**
		7,245.74	**3,544.70**	**4,646.40**	**6,863.44**	**6,098.76**	
						GRAND TOTAL w/ ONROAD	**28,399.04**

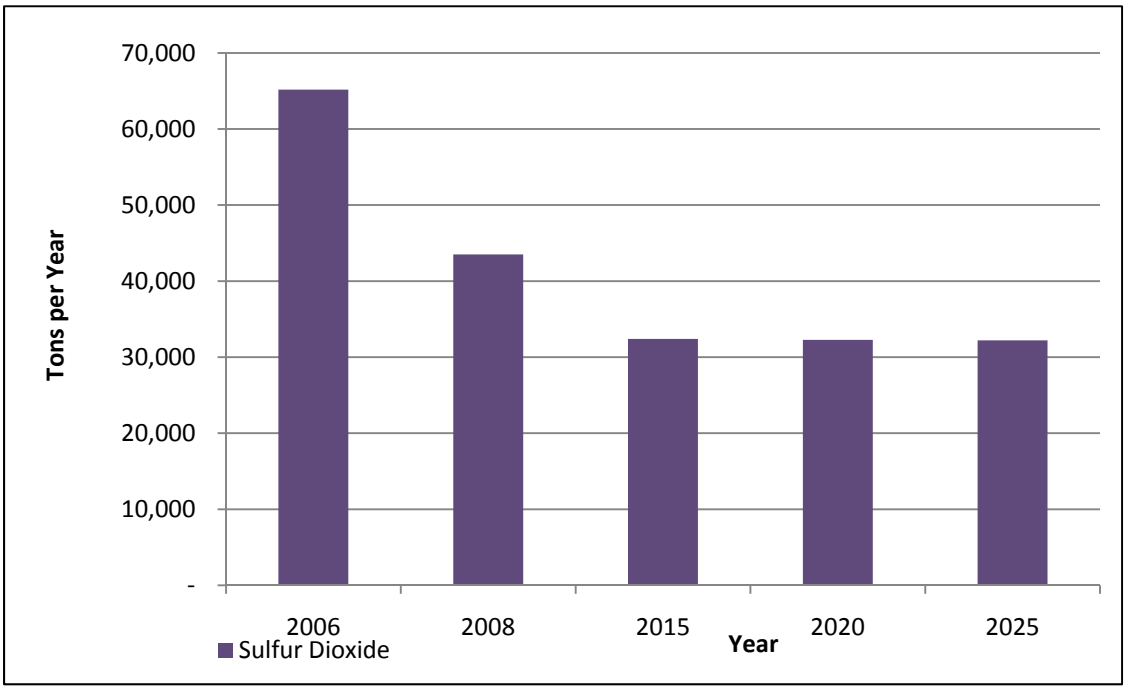
Comparison of 2008 Estimated and 2025 Projected Emission Estimates Central Indiana Area (Tons Per Year)

	2008	2025	Change	% Change
NO_x	50,777.76	28,399.04	-22,378.72	44.07% Decrease
SO_2	43,502.68	32,201.49	-11,301.19	25.98% Decrease
Direct $PM_{2.5}$	4,103.99	3,976.18	-127.81	3.11% Decrease

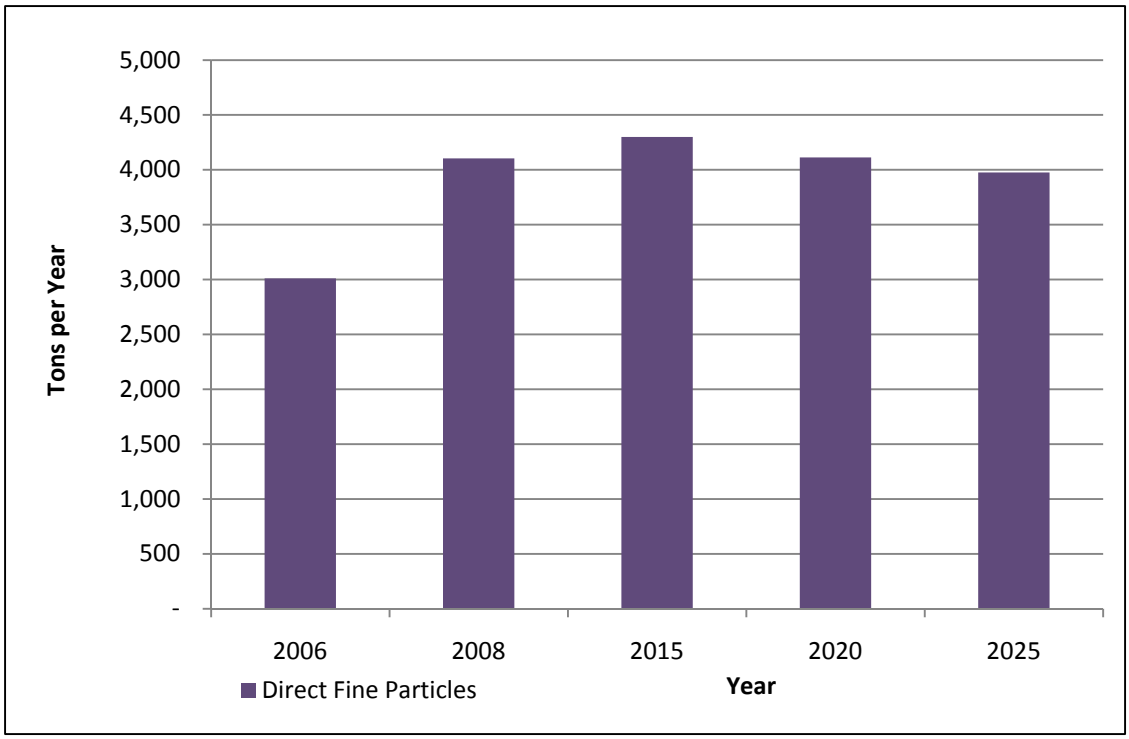
Comparison of 2006 and 2008 Base Years and 2015, 2020, and 2025 Projected NO_x Emissions, Central Indiana Area



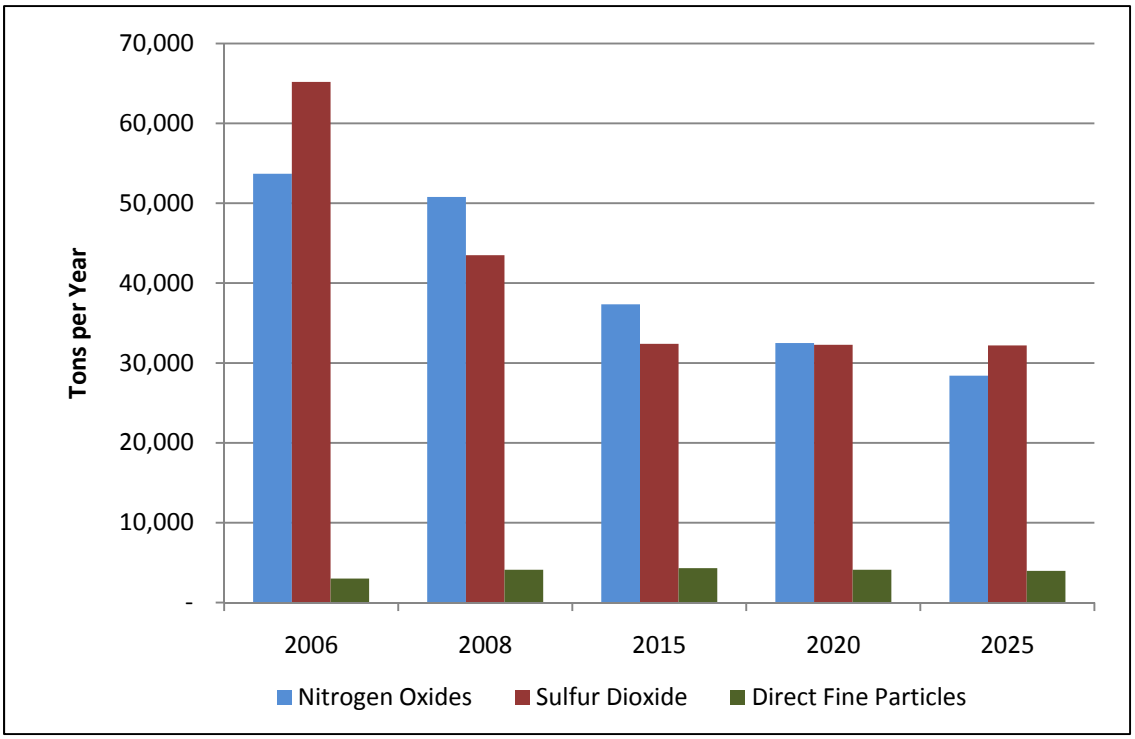
Comparison of 2006 and 2008 Base Years and 2015, 2020, and 2025 Projected SO_2 Emissions, Central Indiana Area



Comparison of 2006 and 2008 Base Years and 2015, 2020, and 2025 Projected Direct $PM_{2.5}$ Emissions, Central Indiana Area



Comparison of 2006 and 2008 Base Years and 2015, 2020, and 2025 Projected NO_x, SO_2, and Direct $PM_{2.5}$ Emissions, Central Indiana Area



APPENDIX F

Mobile Source Input and Output Calculation Files for Central Indiana Area

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INDIANAPOLIS MODEL AIR QUALITY REPORT (tons): 2010

ANNUAL TOTAL - Thu Jan 20 06:19:45 2011

Scenario: C:\2010AQ\

SEASON: ANNUAL TOTAL

Calendar Year: 2010

Evaluation Month: 0

COUNTY: MARION 1 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	71.2483	1.0538	1.2543	3.6805
Minor Arterials	6	36.6828	0.7789	0.927	2.7201
Centroid Connectors & Intrazonals	9	4.8096	0.0976	0.1158	0.3404
RURAL TOTAL		112.7407	1.9303	2.2971	6.7411
URBAN --------					
Interstates	11	6,263.95	111.1644	132.3086	388.2379
Other Freeways & Expressways	12	290.6858	5.9688	7.104	20.8456
Other Principal Arterials	14	2,577.09	55.262	65.755	192.9765
Minor Arterials	16	2,472.30	52.8825	62.914	184.6536
Centroid Connectors & Intrazonals	19	650.214	13.1913	15.6622	46.0284
URBAN TOTAL		12,254.24	238.4689	283.7439	832.742
MARION COUNTY TOTAL		12,366.98	240.3992	286.041	839.4831

COUNTY: HAMILTON 2 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	233.1898	3.4786	4.1403	12.149
Other Principal Arterials	2	479.7818	9.0702	10.7955	31.6775
Minor Arterials	6	130.4604	2.6706	3.1786	9.3271
Centroid Connectors & Intrazonals	9	69.8049	1.4165	1.6819	4.9427
RURAL TOTAL		913.2369	16.636	19.7963	58.0962
URBAN --------					
Interstates	11	286.538	5.0191	5.9738	17.5292
Other Freeways & Expressways	12	411.7888	8.4701	10.0807	29.5809
Other Principal Arterials	14	632.4637	13.4244	15.9756	46.881
Minor Arterials	16	644.9787	13.7141	16.3178	47.8893
Centroid Connectors & Intrazonals	19	207.9604	4.2189	5.009	14.7208
URBAN TOTAL		2,183.73	44.8466	53.3569	156.6011
HAMILTON COUNTY TOTAL		3,096.97	61.4826	73.1532	214.6974

COUNTY: JOHNSON 3 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	333.4169	4.9492	5.8905	17.2848
Other Principal Arterials	2	321.1049	6.4494	7.6762	22.5244
Minor Arterials	6	25.5186	0.5152	0.6132	1.7994
Centroid Connectors & Intrazonals	9	64.269	1.3045	1.5492	4.5523
RURAL TOTAL		744.3093	13.2184	15.7291	46.161
URBAN --------					
Interstates	11	270.4426	4.0537	4.8248	14.1575
Other Freeways & Expressways	12	81.8408	1.5267	1.8171	5.3319
Other Principal Arterials	14	295.6848	6.2442	7.4313	21.8069
Minor Arterials	16	192.9129	4.0563	4.8274	14.1658
Centroid Connectors & Intrazonals	19	100.871	2.0466	2.4301	7.1414
URBAN TOTAL		941.7522	17.9275	21.3307	62.6036
JOHNSON COUNTY TOTAL		1,686.06	31.1459	37.0598	108.7646

COUNTY: HENDRICKS 4 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	395.5085	5.8709	6.9876	20.504
Other Principal Arterials	2	389.9445	7.7309	9.2014	27
Minor Arterials	6	41.9941	0.8636	1.0279	3.0162
Centroid Connectors & Intrazonals	9	91.3704	1.8542	2.2017	6.47
RURAL TOTAL		918.8176	16.3196	19.4186	56.9901
URBAN --------					
Interstates	11	311.4944	4.865	5.7904	16.991
Other Principal Arterials	14	331.3989	7.0055	8.3374	24.4656
Minor Arterials	16	277.1526	5.8697	6.9855	20.4988
Centroid Connectors & Intrazonals	19	109.9395	2.2306	2.6485	7.7834
URBAN TOTAL		1,029.99	19.9708	23.7618	69.7388
HENDRICKS COUNTY TOTAL		1,948.80	36.2904	43.1803	126.7288

COUNTY: MORGAN 8 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	249.6385	3.6977	4.401	12.914
Other Principal Arterials	2	581.3727	11.1182	13.2329	38.8299
Minor Arterials	6	43.6105	0.8998	1.071	3.1425
Centroid Connectors & Intrazonals	9	95.5079	1.9381	2.3014	6.7629

RURAL TOTAL		970.1296	17.6538	21.0063	61.6494
Other Principal Arterials	14	150.4672	3.0017	3.5725	10.4832
Minor Arterials	16	13.2672	0.2842	0.3381	0.9922
Centroid Connectors & Intrazonals	19	22.4274	0.4551	0.5404	1.588
URBAN TOTAL		186.1618	3.741	4.451	13.0634
MORGAN COUNTY TOTAL		1,156.29	21.3948	25.4573	74.7128

REGIONAL SUMMARY +++++++++					
HPMS NAME	**CODE**	**NOX**	**PM**	**SO2**	**NH3**
PM 2.5 Non-attainment Area		20,255.10	390.7129	464.8916	1,364.39

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INDIANAPOLIS MODEL AIR QUALITY REPORT (tons): 2015

ANNUAL TOTAL - Tue Feb 08 19:45:28 2011

Scenario: C:\2015_AQ\

SEASON: ANNUAL TOTAL

Calendar Year: 2015

Evaluation Month: 0

COUNTY: MARION 1 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	44.1585	0.8243	1.4166	4.1403
Minor Arterials	6	22.3135	0.5746	0.9875	2.8864
Centroid Connectors & Intrazonals	9	2.8004	0.0699	0.1198	0.3506
RURAL TOTAL		69.2724	1.4688	2.5238	7.3773
URBAN --------					
Interstates	11	3,783.48	82.7439	142.1987	415.6232
Other Freeways & Expressways	12	171.7031	4.3131	7.4122	21.6647
Other Principal Arterials	14	1,533.15	39.8532	68.4777	200.1673
Minor Arterials	16	1,458.47	37.8218	64.9831	189.9586
Centroid Connectors & Intrazonals	19	375.5439	9.3705	16.0582	47.0066
URBAN TOTAL		7,322.35	174.1025	299.1299	874.4204
MARION COUNTY TOTAL		7,391.62	175.5713	301.6537	881.7977

COUNTY: HAMILTON 2 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	137.7019	2.602	4.4717	13.07
Other Principal Arterials	2	298.1265	6.9444	11.9342	34.8816
Minor Arterials	6	87.5315	2.1798	3.746	10.949
Centroid Connectors & Intrazonals	9	44.5643	1.1114	1.9047	5.5754
RURAL TOTAL		567.9242	12.8375	22.0566	64.4759
URBAN --------					
Interstates	11	157.5672	3.3262	5.7162	16.7074
Other Freeways & Expressways	12	249.1042	6.25	10.7404	31.3932
Other Principal Arterials	14	392.1779	10.1117	17.3766	50.7902
Minor Arterials	16	407.2287	10.4957	18.0343	52.7158
Centroid Connectors & Intrazonals	19	131.7861	3.2885	5.6354	16.4965
URBAN TOTAL		1,337.86	33.4721	57.5029	168.1032

HAMILTON COUNTY TOTAL		1,905.79	46.3096	79.5595	232.5791

COUNTY: JOHNSON 3 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	206.471	3.8652	6.6425	19.4148
Other Principal Arterials	2	206.3552	5.0657	8.7055	25.4448
Minor Arterials	6	15.6038	0.3834	0.6588	1.9257
Centroid Connectors & Intrazonals	9	39.9648	0.996	1.7072	4.9968
RURAL TOTAL		468.3947	10.3102	17.714	51.7821
URBAN --------					
Interstates	11	161.2304	3.0493	5.2403	15.3166
Other Freeways & Expressways	12	50.4898	1.1616	1.9963	5.8347
Other Principal Arterials	14	186.386	4.7713	8.1992	23.9656
Minor Arterials	16	117.648	3.0111	5.1743	15.1243
Centroid Connectors & Intrazonals	19	63.0097	1.5718	2.6937	7.8851
URBAN TOTAL		578.7639	13.5651	23.3039	68.1263
JOHNSON COUNTY TOTAL		1,047.16	23.8753	41.0179	119.9084

COUNTY: HENDRICKS 4 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	236.1124	4.4211	7.5978	22.2071
Other Principal Arterials	2	245.6927	5.9631	10.2479	29.9529
Minor Arterials	6	25.2673	0.6344	1.0903	3.1867
Centroid Connectors & Intrazonals	9	57.6915	1.4386	2.4656	7.2171
RURAL TOTAL		564.7639	12.4573	21.4016	62.5639
URBAN --------					
Interstates	11	185.028	3.615	6.2125	18.158
Other Principal Arterials	14	211.1702	5.4226	9.3186	27.2372
Minor Arterials	16	177.897	4.5626	7.8406	22.9174
Centroid Connectors & Intrazonals	19	69.5045	1.7339	2.9714	8.698
URBAN TOTAL		643.5997	15.334	26.343	77.0106
HENDRICKS COUNTY TOTAL		1,208.36	27.7913	47.7446	139.5745

COUNTY: MORGAN 8 HPMS NAME	CODE	NOX	PM	SO2	NH3

RURAL --------					
Interstates	1	146.1533	2.7312	4.6936	13.7187
Other Principal Arterials	2	363.8331	8.5248	14.6502	42.8201
Minor Arterials	6	25.9738	0.653	1.1222	3.28
Centroid Connectors & Intrazonals	9	57.6599	1.4378	2.4643	7.2133
RURAL TOTAL		593.6201	13.3468	22.9304	67.0321
Other Principal Arterials	14	91.8613	2.2404	3.8502	11.2537
Minor Arterials	16	7.9417	0.2064	0.3546	1.0366
Centroid Connectors & Intrazonals	19	13.3016	0.3317	0.5686	1.6643
URBAN TOTAL		113.1046	2.7786	4.7734	13.9545
MORGAN COUNTY TOTAL		706.7247	16.1254	27.7038	80.9867

REGIONAL SUMMARY +++++++++					
HPMS NAME	**CODE**	**NOX**	**PM**	**SO2**	**NH3**
PM 2.5 Non-attainment Area		12,259.66	289.6729	497.6795	1,454.85

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INDIANAPOLIS MODEL AIR QUALITY REPORT (tons): 2025

ANNUAL TOTAL - Tue Feb 08 23:09:08 2011

Scenario: C:\2025_AQ\

SEASON: ANNUAL TOTAL

Calendar Year: 2025

Evaluation Month: 0

COUNTY: MARION 1 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	25.8683	0.7893	1.7121	4.952
Minor Arterials	6	11.258	0.4291	0.9306	2.6922
Centroid Connectors & Intrazonals	9	1.5416	0.058	0.1257	0.364
RURAL TOTAL		38.6679	1.2764	2.7684	8.0083
URBAN --------					
Interstates	11	2,139.36	73.2591	158.9139	459.6361
Other Freeways & Expressways	12	87.6429	3.2932	7.1425	20.6618
Other Principal Arterials	14	895.9154	34.347	74.4644	215.497
Minor Arterials	16	856.8669	32.7586	71.0048	205.531
Centroid Connectors & Intrazonals	19	205.9655	7.7476	16.7807	48.609
URBAN TOTAL		4,185.75	151.4055	328.3063	949.9349
MARION COUNTY TOTAL		4,224.42	152.6819	331.0747	957.9432

COUNTY: HAMILTON 2 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	76.7405	2.3721	5.1456	14.883
Other Principal Arterials	2	189.1636	6.7071	14.5489	42.0808
Minor Arterials	6	56.6887	2.1055	4.5672	13.2101
Centroid Connectors & Intrazonals	9	29.4152	1.1018	2.3866	6.9128
RURAL TOTAL		352.008	12.2865	26.6483	77.0867
URBAN --------					
Interstates	11	95.3075	3.1814	6.9011	19.9606
Other Freeways & Expressways	12	162.4526	6.036	13.091	37.8705
Other Principal Arterials	14	252.2932	9.6203	20.8599	60.3589
Minor Arterials	16	256.9768	9.7229	21.0779	61.0024
Centroid Connectors & Intrazonals	19	86.7913	3.2634	7.0682	20.4746

URBAN TOTAL		853.8215	31.824	68.9982	199.6671
HAMILTON COUNTY TOTAL		1,205.83	44.1104	95.6465	276.7538

COUNTY: JOHNSON 3 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	123.6212	3.7763	8.1916	23.6929
Other Principal Arterials	2	134.1554	4.9267	10.6862	30.9106
Minor Arterials	6	10.0914	0.3703	0.8032	2.3232
Centroid Connectors & Intrazonals	9	25.3404	0.9453	2.0477	5.9309
RURAL TOTAL		293.2084	10.0186	21.7287	62.8575
URBAN --------					
Interstates	11	94.1954	2.8843	6.2566	18.0964
Other Freeways & Expressways	12	29.9637	1.043	2.2624	6.5436
Other Principal Arterials	14	115.3124	4.371	9.4804	27.4244
Minor Arterials	16	72.5477	2.7302	5.9203	17.1293
Centroid Connectors & Intrazonals	19	40.2085	1.509	3.2685	9.4675
URBAN TOTAL		352.2278	12.5374	27.1881	78.6612
JOHNSON COUNTY TOTAL		645.4362	22.556	48.9168	141.5188

COUNTY: HENDRICKS 4 HPMS NAME	CODE	NOX	PM	SO2	NH3
RURAL --------					
Interstates	1	132.6832	4.0541	8.7941	25.4357
Other Principal Arterials	2	163.889	5.9824	12.9764	37.5342
Minor Arterials	6	15.5005	0.5766	1.2508	3.6177
Centroid Connectors & Intrazonals	9	38.0129	1.4234	3.0832	8.9305
RURAL TOTAL		350.0856	12.0365	26.1045	75.5181
URBAN --------					
Interstates	11	100.0141	3.1099	6.746	19.5119
Other Principal Arterials	14	145.7033	5.5505	12.0374	34.8245
Minor Arterials	16	107.6384	4.0858	8.8613	25.635
Centroid Connectors & Intrazonals	19	44.5644	1.6722	3.6221	10.4918
URBAN TOTAL		397.9202	14.4185	31.2667	90.4632

HENDRICKS COUNTY TOTAL		748.0058	26.455	57.3712	165.9813

COUNTY: MORGAN 8					
HPMS NAME	**CODE**	**NOX**	**PM**	**SO2**	**NH3**
RURAL --------					
Interstates	1	80.8	2.4663	5.3499	15.4738
Other Principal Arterials	2	223.5135	7.9388	17.2203	49.8089
Minor Arterials	6	15.4168	0.5761	1.2498	3.6147
Centroid Connectors & Intrazonals	9	33.5659	1.2571	2.7229	7.887
RURAL TOTAL		353.2961	12.2383	26.5429	76.7844
Other Freeways & Expressways	12	8.5242	0.2918	0.6331	1.8311
Other Principal Arterials	14	47.7008	1.7468	3.7879	10.9594
Minor Arterials	16	4.8082	0.1838	0.3984	1.1531
Centroid Connectors & Intrazonals	19	7.7122	0.2894	0.6268	1.8155
URBAN TOTAL		68.7454	2.5118	5.4461	15.7591
MORGAN COUNTY TOTAL		422.0415	14.7501	31.989	92.5435

REGIONAL SUMMARY +++++++++					
HPMS NAME	**CODE**	**NOX**	**PM**	**SO2**	**NH3**
PM 2.5 Non-attainment Area		7,245.73	260.5533	564.9982	1,634.74

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Example Mobile Source
2010, 2015 and 2025
Mobile6.2 Input Files

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2010
Mobile 6.2 Input files

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2010 Mobile 6 Autumn Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 33.4 52.1
ABSOLUTE HUMIDITY : 29.9
CLOUD COVER : 0.47
SUNRISE/SUNSET : 7 6
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 12.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2011
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2010 Mobile 6 Spring Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 50.9 72.7
ABSOLUTE HUMIDITY : 58.2
CLOUD COVER : 0.60
SUNRISE/SUNSET : 6 7
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 10.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2010 Mobile 6 Summer Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 60.5 82.2
ABSOLUTE HUMIDITY : 56.2
CLOUD COVER : 0.66
SUNRISE/SUNSET : 6 8
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 09.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2010 Mobile 6 Winter Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 23.7 41.7
ABSOLUTE HUMIDITY : 22.0
CLOUD COVER : 0.46
SUNRISE/SUNSET : 8 6
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 12.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2010
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2015
Mobile 6.2 Input files

2015 Mobile 6.2 Autumn Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 33.4 52.1
ABSOLUTE HUMIDITY : 29.9
CLOUD COVER : 0.47
SUNRISE/SUNSET : 7 6
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 12.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2016
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2015 Mobile 6 Summer Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 60.5 82.2
ABSOLUTE HUMIDITY : 56.2
CLOUD COVER : 0.66
SUNRISE/SUNSET : 6 8
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 09.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2015 Mobile 6 Spring Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 50.9 72.7
ABSOLUTE HUMIDITY : 58.2
CLOUD COVER : 0.60
SUNRISE/SUNSET : 6 7
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 10.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP
AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5

DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2015 Mobile 6 Winter Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 23.7 41.7
ABSOLUTE HUMIDITY : 22.0
CLOUD COVER : 0.46
SUNRISE/SUNSET : 8 6
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 12.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2025
Mobile 6.2 Input files

2025 Mobile 6 Autumn Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 33.4 52.1
ABSOLUTE HUMIDITY : 29.9
CLOUD COVER : 0.47
SUNRISE/SUNSET : 7 6
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 12.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP
AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5

DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2026
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2025 Mobile 6 Summer Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 60.5 82.2
ABSOLUTE HUMIDITY : 56.2
CLOUD COVER : 0.66
SUNRISE/SUNSET : 6 8
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 09.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP
AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5

DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2025 Mobile 6 Spring Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 50.9 72.7
ABSOLUTE HUMIDITY : 58.2
CLOUD COVER : 0.60
SUNRISE/SUNSET : 6 7
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 10.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP
AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5

DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2025
EVALUATION MONTH : 7
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

2025 Mobile 6 Winter Input

MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO
RUN DATA
NO REFUELING :
EXPRESS HC AS VOC :
MIN/MAX TEMP : 23.7 41.7
ABSOLUTE HUMIDITY : 22.0
CLOUD COVER : 0.46
SUNRISE/SUNSET : 8 6
REG DIST :c:\M6\IN_grpPM.d
FUEL RVP : 12.0

SCENARIO RECORD : ~ 3.0 NON-RAMP
AVERAGE SPEED : 3.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 NON-RAMP
AVERAGE SPEED : 5.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 NON-RAMP
AVERAGE SPEED : 10.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 NON-RAMP
AVERAGE SPEED : 15.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 NON-RAMP

AVERAGE SPEED : 20.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 NON-RAMP
AVERAGE SPEED : 25.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 NON-RAMP
AVERAGE SPEED : 30.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 NON-RAMP
AVERAGE SPEED : 35.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 NON-RAMP
AVERAGE SPEED : 40.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 NON-RAMP
AVERAGE SPEED : 45.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 NON-RAMP
AVERAGE SPEED : 50.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 NON-RAMP
AVERAGE SPEED : 55.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 NON-RAMP
AVERAGE SPEED : 60.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 NON-RAMP
AVERAGE SPEED : 65.0 NON-RAMP
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 3.0 ARTERIAL
AVERAGE SPEED : 3.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~ 5.0 ARTERIAL
AVERAGE SPEED : 5.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1

PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~10.0 ARTERIAL
AVERAGE SPEED : 10.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~15.0 ARTERIAL
AVERAGE SPEED : 15.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~20.0 ARTERIAL
AVERAGE SPEED : 20.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~25.0 ARTERIAL
AVERAGE SPEED : 25.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~30.0 ARTERIAL
AVERAGE SPEED : 30.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~35.0 ARTERIAL

AVERAGE SPEED : 35.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~40.0 ARTERIAL
AVERAGE SPEED : 40.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~45.0 ARTERIAL
AVERAGE SPEED : 45.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~50.0 ARTERIAL
AVERAGE SPEED : 50.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~55.0 ARTERIAL
AVERAGE SPEED : 55.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~60.0 ARTERIAL
AVERAGE SPEED : 60.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~65.0 ARTERIAL
AVERAGE SPEED : 65.0 ARTERIAL
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\fvmt.def
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

SCENARIO RECORD : ~VMT BY FACILITY
VMT BY FACILITY : c:\M6\rmpvmt.def
CALENDAR YEAR : 2025
EVALUATION MONTH : 1
PARTICULATE EF : c:\M6\PMGZML.CSV c:\M6\PMGDR1.CSV c:\M6\PMGDR2.CSV
c:\M6\PMDZML.CSV c:\M6\PMDDR1.CSV c:\M6\PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 318.0

END OF RUN

APPENDIX G

Indiana Department of Environmental Management (IDEM) – Area Source Inventory Standard Operating Procedure

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Area Source Inventory
S-006-OAQ-R-MO-08-S-R1

Standard Operating Procedure

Office: Office of Air Quality
Branch: Air Programs Branch
Section: Technical Support and Modeling Section

Revised: 02/27/2008 **Revision *Cycle:*** 2 years
Effective date: 02/15/07

Scope of operations
This SOP is to identify source categories and develop emissions not calculated in point source inventories. This data is compiled every three years as mandated by EPA.

Scope of applicability
This SOP is for the Senior Environmental Manager and the Environmental Manager in the Emissions Group.

Authorized Signatures

I approve and authorize this Standard Operating Procedure:

Branch Chief
Scott Deloney
Typed/Printed
Signature
3/12/08
Date

Section Chief
Ken Ritter
Typed/Printed
Signature
3/10/08
Date

Section QA Contact
Michele Boner
Typed/Printed
Signature
3/10/08
Date

Branch QA Coordinator
Chris Pedersen
Typed/Printed
Signature
3-10-08
Date

Author
Michele Boner
Typed/Printed
Signature
3/10/08
Date

This Standard Operating Procedure is consistent with agency requirements.

Indiana Department of Environmental Management
Quality Assurance Program
Planning and Assessment
3-17-08
Date

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1. Overview work flow chart

The process described is not part of a larger system and does not need an Overview work flow chart.

2. Definitions

AP-42 – Compilation of Air Pollutant Emission Factors AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources (January 1995) plus Supplements A – F (Updates 2001 – 2004). AP-42 can be obtained at www.epa.gov/ttn/chief/ap42/.

Area Sources - A collection of similar emission units within a geographic area that collectively represent individual sources that are small and numerous and have not been inventoried as a specific point, mobile, or biogenic source.

Authorized - Established by official authority and usage; as with a policy, standard operating procedure (SOP), or quality assurance project plan (QAPP) that is signed and dated.

EIIP (Emission Inventory Improvement Program) -The EIIP is an EPA program established in 1993 to promote the development and use of standard procedures for collecting, calculating, storing, reporting, and sharing air emissions date.

Emission Factors - An emission factor is the estimate of the quantity of pollutant released to the atmosphere (because of some operation or activity such as combustion or industrial production) divided by the level of that activity.

Process - The term “process” used when describing area sources is used to name an operation or activity that produces emissions.

NEI - National Emission Inventory Air Pollutant Emission Trends, U.S. EPA.

Standard Industrial Classification (SIC) Code - A Standard Industrial Classification code from the series of codes devised by the United States Office of Management and Budget (OMB) to classify establishments according to the type of economic activity in which they engage.

Source Classification Code (SCC) - Source Classification Code is a process-level code that describes the equipment or operation emitting pollutants.

3. Roles

Title	# of Staff	Experience	Qualifications	Location
Senior Environmental Manager	1	N/A	MS ACCESS, Emission Inventories and familiarity with the EIIP	Air Programs Branch
Environmental Manager	1	N/A	MS ACCESS, Emission Inventories and familiarity with the EIIP	Air Programs Branch

Responsibilities:

Senior Environmental Manager

Oversees work of the Environmental Manager and ensures that all goals are met. The Senior Environmental Manager also does the final upload to the NEI.

Environmental Manager

The Environmental Manager calculates the Area Source Emissions using the EIIP or other EPA guidance as provided. The Environmental Manager is also responsible for updating the SOP for the Emissions Group.

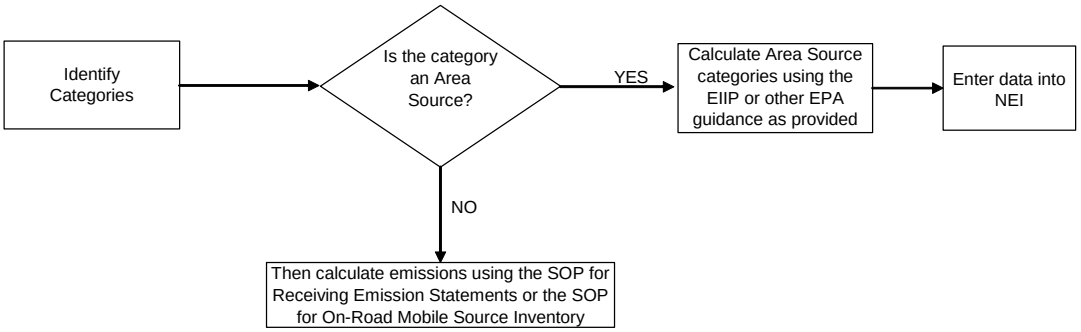
4. Description of equipment, forms, and/or software to be used

Equipment, Form, &/or Software	Who uses it?	Location
AP42	Senior Environmental Manager and Environmental Manager	EPA's website: http://www.epa.gov/ttn/chief/ap42/index.html
Emission Inventory Improvement Program (EIIP)	Senior Environmental Manager and Environmental Manager	EPA's website: http://www.epa.gov/ttn/chief/eiip/techreport/
National Emission Inventory (NEI) Air Pollutant Emission Trends, U.S. EPA	Senior Environmental Manager and Environmental Manager	EPA's website http://www.epa.gov/ttn/chief/trends/

5. Procedure

5.1 Procedural Flowchart

The procedural flowchart below titled "Area Source Inventory" is used to calculate non-point source inventories. This data is compiled every three years as mandated by EPA. The guidance followed is located in the EIIP. Emissions from area sources are calculated at the county level and consist of individual sources that are small, numerous and that have not been inventoried as specific point, mobile, or biogenic sources according to the EIIP.



5.2 Procedure

Category 1: Stationary Fuel Combustion

Sub-Category 1.1: Industrial Fuel Combustion

SCC: 2102002000, 210200400, 2102005000, 2102006000, 2102007000

Follow these steps when calculating emissions from industrial fuel combustion:

1. Obtain statewide fuel consumption for "Other Industrial" for the following fuels: coal, distillate oil, natural gas, and liquefied petroleum gas (LPG). Use the Energy Information Administration's website at http://www.eia.doe.gov/ to find fuel consumption.

   Note: As of the date of this SOP, the following steps will lead to data for fuel consumption.

   a. Go to http://www.eia.doe.gov/
   b. Click on link for the various types of fuel consumption
   c. Click on consumption tab for state totals

2. To avoid double calculating the various fuel combustions, subtract reported source totals from the total statewide fuel consumption by querying the total process rates for the various SCC codes using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb. The remaining number is the area source fuel consumption for the state.

3. To distribute the remaining fuel to the county level, calculate the ratio of county to state employment for the manufacturing sector by dividing the number of Manufacturing Employees for each county by the number of manufacturing employees statewide. Use the County Business Patterns website at http://www.census.gov/ to find the number of manufacturing employees for each county.

   Note: As of the date of this SOP, the following steps will lead to data for Economic Census.

   a. Go to http://www.census.gov/
   b. Click on Economic Census
   c. Under 2002 Reports by State, use the down arrow key to select Indiana
   d. Now, select each of the counties to find the county manufacturing employees
   e. Use the total of employees for manufacturing under the paid employees' column

4. Multiply the ratio calculated above in step 3 by the area source fuel consumption to distribute the fuel to the county level. The remaining number is the process rate for each county. Multiply the process rate by the appropriate EPA emission factors for the various fuels for industrial manufacturing found in AP-42, Fifth Edition, Volume 1, Chapter 1, External Combustion Sources at http://www.epa.gov/ttn/chief/ap42/ch01/.

Sub-Category 1.2: Commercial/Institutional Fuel Combustion

SCC: 2103004000, 2103005000, 2103006000, 2103007000

Follow these steps when calculating emissions from commercial/institutional fuel combustion:

1. Obtain statewide fuel consumption for "Commercial" for the following fuels: distillate fuel oil, liquefied petroleum gas (LPG), natural gas, and residual fuel oil. Use the Energy Information Administration's website at http://www.eia.doe.gov/ to find fuel consumption.

   Note: Use the steps in sub-category 1.1-1 to navigate through the Energy Information Administration's website.

2. To avoid double calculating the various fuel combustions, subtract reported source totals from the total statewide fuel consumption by querying the total process rates for the various fuels using the SIC codes greater than 4999 using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb. These are the SIC codes that identify all the commercial/institutional area sources.

3. To distribute the remaining fuel to the county level, calculate the ratio of county to state employment for the commercial/institutional sector by dividing the number of commercial/institutional employees for each county by the number of commercial/institutional employees statewide. Use the County Business Patterns website at http://www.census.gov/ to find the number of commercial/institutional employees for each county.

   Note: Use the steps in sub-category 1.1-3 to navigate through the U.S. Census Bureau's website.

4. Multiply the ratio calculated above in step 3 by the area source fuel consumption to distribute the fuel to the county level. The remaining number is the process rate for each county. Multiply the process rate by the appropriate EPA emission factors for the various fuels for commercial/institutional found in AP-42, Fifth Edition, Volume 1, Chapter 1, External Combustion Sources at http://www.epa.gov/ttn/chief/ap42/ch01/.

Sub-Category 1.3: Residential Fuel Combustion

SCC: 2104002000, 2104004000, 2104006000, 2104007000

Follow these steps when calculating emissions from residential fuel combustion:

1. Obtain statewide fuel consumption for "Residential" for the following fuels: coal, distillate oil, natural gas, and liquid petroleum gas. Use the Energy Information Administration's website at http://www.eia.doe.gov/ to find fuel consumption.

   Note: Use the steps in sub-category 1.1-1 to navigate through the Energy Information Administration's website.

2. To distribute residential fuel to the county level, calculate the ratio of county fuel usage to statewide fuel usage using the breakdown of fuels by household per county divided by the breakdown of fuels by household per state using the U.S. Census Bureau's website at http://www.census.gov/ .

   Note: As of the date of this SOP, the following steps will lead to data for breakdown of fuels by household.

   a. Go to http://www.census.gov/
   b. On the left hand side click on "American Fact Finder"
   c. Using the drop down menu, click on Indiana
   d. Scroll to "Housing Characteristics" and select "show more"
   e. On the left hand side, select "change geography (state, county, place…)"
   f. Using the drop down menu, select county, state, and each county name to obtain housing information

3. Multiply the ratio calculated above in step 3 by the area residential fuel use by state to distribute the fuel to the county level. The remaining number is the process rate for each county for the various fuels. Multiply the process rate by the appropriate EPA emission factors for the various fuels for residential found in AP-42, Fifth Edition, Volume 1, Chapter 1 External Combustion Sources at http://www.epa.gov/ttn/chief/ap42/ch01/.

Sub-Category 1.4: Residential Heating Using Wood

SCC: 2104008001, 2104008002, 2104008003, 2104008004, 2104008010, 2104008030, 2104008050

Follow these steps when calculating emissions from residential heating using wood:

1. Obtain statewide wood consumption for "Residential" using the Energy Information Administration's website at http://www.eia.doe.gov/. To convert the statewide wood consumption from cords of wood consumed to tons, multiply the total cords consumed by 1.25.

   Note: As of the date of this SOP, the following steps will lead to data for wood consumption.

   a. Go to http://www.eia.doe.gov/
   b. Click on Households, Buildings & Industry
   c. Under Consumption Summaries, click on "Annual"
   d. Now, over to the right click on "State Energy"
   e. Using the drop down menu at the bottom, select "Indiana"
   f. Under "Consumption" click on the "Residential" document

2. Using the ratio estimates provided by EPA found in the "Documentation For The Final 2002 NONPOINT SECTOR (FEB 06 version) NATIONAL EMISSIONS INVENTORY FOR CRITERIA AND HAZARDOUS AIR POLLUTANTS" at http://www.epa.gov/ttn/chief/net/2002inventory.html#documentaiton the number calculated above in step 1 is broken out into three categories (fireplace without inserts, fireplaces with inserts and woodstoves).

3. To distribute to the county level for the three categories above, calculate a ratio of county to state using the statewide total of households and the county total of households that burn wood found at the U.S. Census Bureau website http://www.census.gov/. The remaining number is the process rate for each county. Multiply the process rate by the appropriate EPA emission factors for each of the categories using the EIIP, Volume 3, Chapter 2, Residential Wood Combustion at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii02_apr2001.pdf.

   Note: Use the steps in sub-category 1.3-2 to navigate through the Energy Information Administration's website.

Category 2: Industrial Processes

Sub-Category 2.1: Bakeries

SCC: 2302050000

Follow these steps when calculating emissions from bakeries:

1. Calculate a per capita consumption factor using the reported weight of yeast–raised product reported under the Bread, Cake, and Frozen Bakery Products from the Economic Census Bureau at http://www.census.gov/econ/census02/ and the U.S. population at the U.S. Census Bureau at http://census,gov/.

   Note: As of the date of this SOP, the following steps will lead to data for yeast-raised product.

   a. Go to http://www.census.gov
   b. Under Business & Industry open "Economic Census"
   c. Now open "Subject Series"
   d. Under Manufacturing, open the table "Product Summary"
   e. Use the yeast – raised product under Commercial Bakeries (NAICS code 311812) and Frozen cakes, pies, and other pastries manufacturing (NAICS code 311813)

2. Multiply the per capita consumption factor calculated above in step 1 by the Indiana population found at the U.S. Census Bureau at http://www.census.gov.
   Note: As of the date of this SOP, the following steps will lead to Indiana population data.

   a. Go to http://www.census.gov
   b. Under Population Finder, use the drop down menu to select Indiana

3. To avoid double calculating the amount consumed for the state, subtract the reported process rate for both the straight-dough and sponge-dough by querying the total process rates for the SCC 30203202 (straight-dough) and SCC 30203201 (sponge-dough) using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb.

4. Multiply the remaining process rate by the straight-dough emission factor of .5 lbs VOC/1,000 pounds baked found in the EIIP, Volume 3, Area Source Method Abstracts: Baked Goods at Commercial/Retail Bakeries at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/index.html.

5. Calculate a per capita factor by dividing the Indiana population found in step 2 by the remaining process rate. Now multiply the per capita factor by each of the county populations to calculate the VOC emissions for each county.

   Note: As of the date of this SOP, the following steps will lead to county population data.

   a. Go to http://www.census.gov
   b. Under Population Finder, use the drop down menu to select Indiana
   c. Under "View more results", select the county table

Category 3: Solvent Utilization

Sub-Category 3.1: Architectural Coatings

SCC: 2401001000

Follow these steps when calculating emissions from architectural coatings:

1. Calculate an emission factor for architectural coating area sources first by adding all the solvent-based paints together and all the water based paints together using the U.S. Census Bureau's website http://www.census.gov. Use Table 1 to select all solvent-based paints and Table 2 to select all water based paints.

Table 1
National Solvent Coating Sales

Solvent Type	**1,000 gallons**
Exterior Solvent Type	XX
Interior Solvent Type	XX
Architectural Lacquers	XX
Architectural Coating N.S.K.	XX
Total Solvents	XX

Table 2
National Water Based Coating Sales

Water Type	**1,000 gallons**
Exterior Water Type	XX
Interior Water Type	XX
Total Water Type	XX

Note: As of the date of this SOP, the following steps will lead to architectural coating data.

a. Go to http://www.census.gov
b. Under Business & Industry, select more
c. Now select Current Industrial Reports (CIR)
d. Select CIRs by Subject
e. Tab down to find the report "Paints and Allied Products"

2. Now multiply the total national number for solvent-based paints by the average solvent-based coating content number (3.87 lbs VOC/gallon) and the total national number for water-based paints by the average water-based coating content number (0.74 lbs VOC/gal) found in the EIIP, Volume 3, Chapter 3: Architectural Surface Coating at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/archsfc.pdf.

3. Add the total solvent-based coatings and the water-based paints together for a total national VOC emission factor from architectural surface coating. Then divide this number by the total national population using the U.S. Census Bureau's website http://www.census.gov.

4. Multiply the number calculated above in step 3 by each of the county populations to calculate the total emissions per county.

   Note: Use the steps in sub-category 2.1-5 to navigate through the Census Bureau's website.

Sub-Category 3.2: Automobile Refinishing

SCC: 2401005000

Follow these steps when calculating emissions from automobile refinishing:

1. To avoid double calculating, first query the employees from the reported sources using the SIC 7532-Body Repair and Paint Shops using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb. Subtract this number from the county employment for the same SIC using the U.S. Census Bureau's website http://www.census.gov.

   Note: As of the date of this SOP, the following steps will lead to county employment data.

   a. Go to http://www.census.gov
   b. Under Business & Industry, select more
   c. Now select the County Business Patterns report for county
   d. Select Indiana
   e. Select each of the counties to find the number of employees for the corresponding SIC or NAICS code

2. Multiply the emission factor 3,519 lbs VOC/employee found in the EIIP, Volume 3, Chapter 13 Auto Body Refinishing at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/archsfc.pdf and the county employment found above in step 1 to calculate the VOC emissions for each county.

Sub-Category 3.3: Traffic Markings

SCC: 2401008000

Follow these steps when calculating for traffic markings:

1. First calculate the national emissions by finding the amount of sales for traffic marking paints from the U.S. Census Bureau's website http://www.census.gov and multiply 3.36 lb VOC/gallon the national average VOC content for water and solvent-based paints from the EIIP, Volume 3, Chapter 14, Traffic Markings at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii14.pdf.

Note: As of the date of this SOP, the following steps will lead to traffic marking paints.

a. Go to http://www.census.gov
b. Under Business & Industry, select more
c. Now select Current Industrial Reports (CIR)
d. Select CIRs by Subject
e. Tab down to find the report "Paints and Allied Products"
f. Use the quantity amount in 1000/gallons under "Traffic marking paints (all types: shelf goods and highway department)

2. Allocate the national emissions calculated above in step 1 to the state level by dividing the amount of money spent in Indiana by the money spent nationally on highway maintenance using the category "Total Disbursements" at the Federal Highway Administration's website http://www.fhwa.dot.gov/policy/ohim/hs04/htm/sf2.htm.

3. Calculate the emission factor for Indiana by dividing the state level emissions by the total number of roadway miles in Indiana, given by contacting the Program Development Division, Highway Statistics, Indiana Department of Transportation or the Office of Air Quality, Technical Support and Modeling Section's mobile inventory preparer.

4. Multiply the emission factor by the total number of roadway miles in each county using the information supplied from above in step 3.

Sub-Category 3.4: Industrial Surface Coating (employment based emission factor)

SCC: 2401015000, 2401020000, 2401030000, 2401040000, 2401045000, 2401055000, 2401060000, 2401065000, 2401070000, 2401075000, 2401080000

Follow these steps when calculating for industrial surface coating using the employment based emission factor:

1. Calculate an employee based emission factor for the following SIC's in the table below running a query to find the point source employment for each of the SIC's and the reported VOC emissions for each using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb.

SCC	Description	SIC's
2401015000	Factory Finished Wood	2426-2429,243-245, 2492, 2499
2401020000	Wood Furniture	25
2401030000	Paper Coating	26
2401040000	Metal Cans *	341
2401045000	Metal Coils *	3479
2401055000	Machinery and Equipment	35
2401060000	Appliances *	363
2401065000	Electronic and Other Electrical	3612, 3357
2401070000	New Motor Vehicles **	3711
2401075000	Other Transportation	37 (not 3711, 373)
2401080000	Marine Coatings	373

* Use the National default emission factor because the reporting sources are low. ** Emissions reported in point source

2. Divide the reported VOC emissions for each of the SIC's by the reported employment for each SIC. Use this number for the emission factor.

3. Subtract the number of reported employees found in step 1 from each of the SIC county totals using the U.S. Census Bureau's website http://www.census.gov. Use the remaining number for the process rate for each of the counties.

   Note: Use the steps in sub-category 3.2-1 to navigate through the County Business Patterns.

4. Multiply the process rates above found for each of the SIC's in step 4 by the emission factors found in step 3 to allocate the emissions to each of the counties.

Sub-Category 3.5: Industrial Surface Coating (default emission factor)

SCC: 2401090000, 2401100000, 2401200000

Follow these steps when calculating emissions from industrial surface coating using the default emission factor:

1. Calculate industrial surface coating emissions using the default emission factor in the EIIP, Volume 3, Chapter 8, Industrial Surface Coating at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii08.pdf and multiply by the county populations found at the U.S. Census Bureau's website http://www.census.gov.

   Note: Use the steps in 2.1-5 to navigate through U.S. Census Bureau's website.

SCC's	Description	Default Emission Factor
24-01-090-000	Miscellaneous Manufacturing	0.600 lbs VOC/person
24-01-100-000	Industrial Maintenance Coatings	0.800 lbs VOC/person
24-01-200-000	Other Special Purpose Coatings	0.800 lbs VOC/person

Sub-Category 3.6: Degreasing

SCC: 2415230000, 2415245000, 2415345000, 2415360000

Follow these steps when calculating emissions from degreasing activities:

1. Use the U.S. Census Bureau to find employment numbers for each of the counties for the categories in Table 1 below at http://www.census.gov.

   Note: Use the steps in 2.1-5 to navigate through U.S. Census Bureau's website.

Source Classification Codes and Industries Associated with Degreasing		
SCC	**SIC**	**Description**
2415230000	36	Electronic and other electronic equipment
	25	Furniture and fixtures
	33	Primary metal industries
	34	Fabricated metal products
	35	Industrial machinery and equipment
	37	Transportation equipment
	38	Instruments and related products

2415245000	39	Miscellaneous manufacturing industries
	417	Bus Terminal and Service Facilities
	423	Trucking terminal facilities
	551	New and used car dealers
	552	Used car dealers
	554	Gasoline service stations
	555	Boat dealers
	556	Recreational vehicle dealers
	753	Automotive repair shops
2415345000	25	Furniture and fixtures
	33	Primary metal industries
	34	Fabricated metal products
	35	Industrial machinery and equipment
	36	Electronic and other electronic equipment
	37	Transportation equipment
2415345000 cont.	38	Instruments and related products
	39	Miscellaneous manufacturing industries
2415360000	417	Bus Terminal and Service Facilities
	423	Trucking terminal facilities
	551	New and used car dealers
	552	Used car dealers
	554	Gasoline service stations
	555	Boat dealers
	556	Recreational vehicle dealers
	753	Automotive repair shops

2. Run a query to find reported employment numbers for each of the categories in the table above using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb.

3. Subtract the reported employment from the U.S Census Bureau's numbers to find the process rates for each of the counties.

4 Calculate the VOC emissions by multiplying the default emission factor in the EIIP, Volume 3, Chapter 6, Solvent Cleaning at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii06fin.pdf and the process rate for each of the counties found in step 3.

Sub-Category 3.7: Dry Cleaners

SCC: 2420010370

Follow these steps when calculating emissions from dry cleaners:

1. Calculate an emission factor by finding the number of employees state wide and county wide for SIC 7216(Laundry and Garment Services) at the U.S. Census Bureau's website http://www.census.gov.

Note: Use the steps in 2.1-5 to navigate through U.S. Census Bureau's website

2. Take the sum of the employment from the counties, multiply by 2000, and divide by the statewide total found in step 1. Use this number for the emission factor.

3. Calculate the process rate by running a query to find the number of reported employees for SIC 7216 using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb and subtract this number from the county total.

4. Multiply the process rate for each of the counties above by the emission factor to calculate for VOC emissions.

Sub-Category 3.8: Graphic Arts

SCC: 2425000000

Follow these steps when calculating emissions from graphic arts activities:

1. Multiply the per capita factor found in the EIIP, Volume 3, Chapter 7, Graphic Arts at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii07.pdf by the state population from the Census Bureau http://www.census.gov to find the total emissions for the state.

   Note: Use the steps in 2.1-2 to navigate through the U.S. Census Bureau's website.

2. Develop an emission factor by subtracting point source emissions from the total emissions and dividing by the state population found in step 1.

3. Distribute to the counties by multiplying the emission factor by the population for each county.

   Note: Use the steps in 2.1-5 to navigate through the U.S. Census Bureau's website.

Sub-Category 3.9: Rubber and Plastics

SCC: 2430000000

Follow these steps when calculating emissions from rubber and plastics activities:

1. Run a query to find the total of reported emissions and number of reported employees for all SIC's beginning with 30 using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb.

2. Calculate the emission factor by dividing the point source emissions by the reported employees.

3. Subtract the reported employment for SIC's beginning with 30 from total employment for each of the counties.

   Note: Use step 3.2-1 to navigate through the County Business Patterns.

4. Multiply the remaining number from above with the emission factor calculated in step 2.

Sub-Category 3.10: Miscellaneous Industrial Adhesives

SCC: 2440020000

Follow these steps when calculating emissions from industrial adhesives activities:

1. Using the guidance in the Air Pollutant Emission Trends at http://www.epa.gov/ttn/chief/trends, calculate an emission factor by finding the total National Emissions from Industrial Adhesives and divide by the National Manufacturing Employment from the U.S. Census Bureau's website http://www.census.gov.

   Note: As of the date of this SOP, the following steps will lead to emission trends data for industrial adhesives.

   a. Go to http://www.epa.gov/air/airtrends/aqtrnd03/
   b. Select "Appendix A –Data Tables"
   c. Search for industrial adhesives

   Note: As of the date of this SOP, the following steps will lead to National Manufacturing Employment.

   a. Go to http://www.census.gov

b. Select Economic Census
c. Now select “Businesses with paid employees”
d. Use the manufacturing number under “paid employees”

2. To avoid double calculating, run a query collecting sources reporting adhesives using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb. Subtract the reported employment from the total amount of manufacturing employment. The remaining number is the process rate.

Sub-Category 3.11: Commercial/Consumer Solvents

SCC: 2460100000, 2460200000, 2460400000, 2460500000, 2460600000, 2460800000, 2460900000

Follow these steps when calculating emissions from commercial/consumer solvent usage:

1. Using the EIIP, Volume 3, Chapter 5, Consumer, and Commercial Solvent Use at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii05.pdf, multiply the per capita factors for each of SCC codes by the population for each county from the U.S. Census Bureau’s website http://www.census.gov.

   Note: Use the steps in 2.1-5 to navigate through the U.S. Census Bureau’s website.

Emission Factors for Commercial/Consumer Solvents

Source Classification Codes	Product Category	Per Capita Emission Factor (lb VOC/person)
2460100000	Personal Care Products	2.32
2460200000	Household Products	0.79
2460400000	Automotive Aftermarket Products	1.36
2460500000	Coatings and Related Products	0.95
2460600000	Adhesives and Sealants	0.57
2460800000	FIFRA-Regulated Products	1.78
2460900000	Miscellaneous Products	0.07

Sub-Category 3.12: Asphalt Emulsions

SCC: 2461022000

Follow these steps when calculating emissions from asphalt emulsions:

1. To calculate the process rate, find the number of barrels of asphalt used for the state found at the State Energy Data website at http://www.eia.doe.gov/emeu/states/_seds_updates.html.

2. Obtain the amount of roadway miles for the state and county from the Indiana Department of Transportation’s, Division of Roadway Management Section.

3. Divide the county roadway miles by the state roadway miles and multiply by the total asphalt usage for the state found above in step 1.

4. Multiply the process rate by the default emission factor in the EIIP, Volume 3, Chapter 17, Asphalt Paving http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii17_apr2001.pdf.

Sub-Category 3.13: Pesticide Usage

SCC: 2461800000

Follow these steps when calculating emissions from pesticide usage:

1. Calculate pesticide usage by using a state specific emission factor. Develop the factor using a methodology that includes the retrieval of information of pesticides used, an emission factor for each pesticide used, a calculation about the inert ingredients in each pesticide, and an estimate of the amount of crop oil concentrate (an adjuvant used for the application of herbicides) used in the state of Indiana.

2. Find the amount of active ingredients for herbicides and insecticides applied to Indiana fields at the Indiana Agricultural Statistics Service at http://www.usda.gov/nass/pubs/agr02/acro02.htm.

3. Insert the numbers for both corn and soybeans to the Excel pesticide table found at K:OAQ_INV\Inv\pesticide.

4. Calculate the emission factor by adding the emissions from crop oil concentrates obtained in the pesticide Excel table, pesticides, and solvent carriers and then divide by the total number of acres of corn and soybeans in Indiana found at the National Agricultural Statistics Services, United States Department of Agriculture http://www.nass.usda.gov/QuickStats/.

5. Multiply the emission factor by the county-specific acreage for both corn and soybeans found at the National Agricultural Statistics Services, United States Department of Agriculture http://www.nass.usda.gov/QuickStats/.

Category 4: Petroleum Marketing

Follow these steps when calculating emissions for bulk terminals:

Sub-Category 4.1: Bulk Terminals

SCC: 2501050120

1. Find the amount of gasoline sold in Indiana at the Federal Highway Administration, U.S. Department of Transportation http://www.fhwa.dot.gov/policy/ohim/hs04/htm/mf21.htm.

2. Find the amount of gasoline sold statewide and by county using, the NAICS code 447-Gasoline Service Station from the U.S. Census Bureau's, Economic Census at http://www.census.gov/econ/census02/data/in/IN000_44.HTM#N447.

3. Run a query to find the amount of point source reported gasoline using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb and subtract from the amount sold statewide. Use this to allocate to each county.

4. Allocate the amount gasoline sold to each of the counties by dividing the amount of sales in each county by statewide sales and multiplying by the number of gallons sold statewide found above in step 1.

5. EPA guidance suggests that only 25% of all gasoline consumed goes through bulk plants. To calculate process rate, multiply each county by 25% to estimate the amount of fuel transferred through bulk terminals.

6. Multiply process rate by the emission factors in the table below:

Emission Factors	
Source	**Emission Factor (lb VOC/1000) gal**
Storage Tanks Breathing Loss	5.0
Storage Tank Working Loss - Filling	9.6
Storage Tank Working Loss - Emptying	3.8
Gasoline Loading Racks (Vapor balance controlled)	11.9 (0.3)
Total	30.3

7. Bulk terminals also have controls set forth in the Indiana rule (326 IAC 8-4). This rule says that any source of this type that is new after January 1, 1980 is required to make sure that any transfer between a tank and transport uses a submerged pipe vapor balance system. Using EPA's default rule effectiveness, multiply the number in step 2 by the Control Efficiency (CE) 38%, a Rule Effectiveness (RE) of 80%, and a Rule Penetration (RP) of 13%, i.e. process rate X emission factor X (1-(CE x RE x RP)) X 1 ton/2000 lb = VOC tons.

Sub-Category 4.2: Portable Fuel Containers

SCC: 2501011011, 2501011012, 2501011016, 2501012011, 2501012012, 2501012016

Follow these steps when calculating emissions for portable fuel containers:

1. Calculate the emissions for Commercial and Residential gas cans by using the method developed by the California Environmental Protection Agency's document Public Meeting to Consider Approval of California's Portable Gasoline-Container Emissions Inventory. Use the excel spreadsheet found at K:\OAQ_INV\Inv\Area Source\Gasoline.zip to calculate the emissions for permeation, diurnal, and transport. Both the Spillage and Vapor losses are estimated in the nonroad emissions inventory by EPA models.

2. Using the survey results below in Table 1, estimate the number of fuel containers in the state for residential categories. The calculations are set up in an excel spreadsheet at K:\OAQ_INV\Inv\Area Source\ Gasoline.zip\250101\GasCans.xls, insert the number of occupied housing, from the U.S. Census Bureau's website at http://www.census.gov/, in the space marked "households".

   Note: As of the data of this SOP, the following steps will lead to number of households in Indiana.

   a. Go to http://www.census.gov/
   b. On the left hand side select American Fact finder
   c. Now select housing
   d. Under "Occupancy Status", select occupies housing units
   e. Now use the drop down menu and select Indiana

Table 1

Residential Survey Results	
Percentage of households with at least one gas can	46%
Number of gas cans per household	1.8
Percentage of plastic cans/metal cans	76% / 24%
Weighted average gas can capacity (gal)	2.34
Percentage of gas cans stored with fuel	70%
Weighted average stored fuel volume (% of capacity)	49%

Percentage of all gas cans that are plastic and stored open/closed	23% / 53%
Percentage of all gas cans that are metal and stored open/closed	11% / 13%
Percent of all cans stored open/closed	34% / 66%

3. Using the survey results below in Table 2, estimate the number of fuel containers for commercial categories for the state. Do this by using the commercial population based on the number of identified businesses in Table 3 and insert into the excel spreadsheet at K:\OAQ_INV\Inv\Area Source\ Gasoline.zip\250101\GasCans.xls.

Table 2

Commercial Survey Results	
Percentage of businesses with at least one gas can	80%
Number of gas cans per business	6.9
Percentage of plastic cans/metal cans	72% / 28%
Weighted average gas can capacity (gal)	3.43
Weighted average stored fuel volume (% of capacity)	49%
Percentage of all gas cans that are plastic and stored open/closed	39% / 33%
Percentage of all gas cans that are metal and stored open/closed	10% / 18%
Percent of all cans stored open/closed	49% / 51%

Table 3

Category	NAICS
Agricultural	115
Automotive Club and Towing Services	48841
Service Stations	8111
Lawn and Garden Maintenance Services	81141
General Contractors	23
Construction and Rental Yards	5324
Landscaping Services	561730

4. Calculate permeable emissions separately for both residential and commercial by using the emission rates given in the California document. Use 1.57g/gal/day for plastic containers and 0.6g/gal/day for metal containers. Insert the numbers for both residential and commercial into the excel spreadsheet at K:\OAQ_INV\Inv\Area Source\ Gasoline.zip\250101\GasCans.xls.

5. Calculate diurnal emissions by inserting the numbers for both residential and commercial into the excel spreadsheet at K:\OAQ_INV\Inv\Area Source\ Gasoline.zip\250101\GasCans.xls.

6. Calculate transport spillage emissions by inserting the numbers for both residential and commercial into the excel spreadsheet at K:\OAQ_INV\Inv\Area Source\ Gasoline.zip\250101\GasCans.xls

Sub-Category 4.3: Service Station Tank Loading or Tank Truck Unloading (Stage 1)

SCC: 2501060052 (uncontrolled), 2501060053 (controlled)

Follow these steps when calculating emissions from tank loading and unloading

1. Find the amount of gasoline sold in Indiana at the Federal Highway Administration, U.S. Department of Transportation http://www.fhwa.dot.gov/policy/ohim/hs04/htm/mf21.htm.

2. Find the amount of gasoline sold statewide and county wide by using the NAICS code 447-Gasoline Service Station from the U.S. Census Bureau's, Economic Census at http://www.census.gov/econ/census02/data/in/IN000_44.HTM#N447.

3. Run a query to find the amount of point source reported gasoline using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb and subtract from the amount sold statewide. Use this to allocate to each county.

4. Allocate the amount sold to each of the counties by dividing the amount of sales in each county by statewide sales and multiplying by the number of gallons sold statewide found above in step 1.

5. Find the amount of gasoline tanks from the Underground Storage Tank data files from the Office of Land Quality, Indiana Department of Environmental Management http://www.in.gov/idem/programs/land/ust/ust.html.

6. Now copy the data into an Excel spreadsheet. Filter finding the tanks that have only gasoline. Also filter out the tanks that are "permanently out of service", "suspended per inspection", and "unregulated".

7. Using the Petroleum Sources Applicability Rule 326 IAC 8-4-1, filter out the tanks that are located in Clark, Boone, Dearborn, Elkhart, Floyd, Hamilton, Hancock, Harrison, Hendricks, Johnson, Lake, Marion, Morgan, Porter, Saint Joseph, and Shelby counties.

8. To find the amount of balanced tanks in Indiana, use the total of gasoline tanks found in step 7 and divide by the number of tanks that constructed after 1985 through current year. Use the spreadsheet created in step 7 and filter out the tanks that constructed prior to 1985.

9. Now apply the percentage found in step 8 to the amount of gasoline found in each county.

10. Apply the controlled emission factor to only those counties identified in 326 IAC 8-4, i.e. Boone, Clark, Dearborn, Elkhart, Hamilton, Hancock, Harrison, Hendricks, Johnson, Lake, Marion, Morgan, Porter, Saint Joseph, and Shelby. Use the emission factors for stage 1 controlled and uncontrolled in the EIIP, Volume 3, Chapter 11, Gasoline Marketing (Stage 1 and Stage 2) http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii11_apr2001.pdf.

Sub-Category 4.4: Vehicle Fueling (Stage II) – Vapor Displacement

SCC: 2501060101 (uncontrolled), 2501060102 (controlled)

Follow these steps when calculating emissions from vehicle fueling – Vapor Displacement:

1. Find the amount of gasoline sold in Indiana at the Federal Highway Administration, U.S. Department of Transportation http://www.fhwa.dot.gov/policy/ohim/hs04/htm/mf21.htm.

2. Find the amount of gasoline sold statewide and by county using the NAICS code 447-Gasoline Service Station from the U.S. Census Bureau's, Economic Census at http://www.census.gov/econ/census02/data/in/IN000_44.HTM#N447.

3. Allocate the amount sold to each of the counties by dividing the amount of sales in each county by statewide sales and multiplying by the number of gallons sold statewide found above in step 1.

4. Calculate an emission factor using the input files supplied from the mobile model. Table 1 and Table 2 show examples of how the emission factors for January and July for the Southern Counties were calculated. By using these two months, the other months are distributed. Use the average of all months for the emission factor for the Southern counties. Use the same methodology for the Northern counties, Central Counties, Clark/Floyd, and Lake/Porter.

Table 1

January Run for Southern Counties

VTYPE	GM_MILE	MILES	MPG	VMT	G/GAL		Month	Factor
1	0.0628	29.4642	23.89	0.463793	0.322719		1	1.01
2	0.1058	35.2923	18.77	0.070491	0.009868		2	1.14
3	0.1058	35.2923	18.77	0.234672	0.109364		3	1.28
4	0.1486	34.0851	14.31	0.071379	0.010834		4	1.41
5	0.1486	34.0851	14.31	0.032825	0.002291		5	1.55
6	0.2152	35.8919	9.88	0.028896	0.001775		6	1.69
7	0.2342	32.3617	9.08	0.001027	2.24E-06		7	1.82
8	0.2465	19.9098	8.63	0.000522	5.8E-07		8	1.69
9	0.2719	27.6093	7.82	0.001164	2.88E-06		9	1.55
10	0.2733	27.4686	7.78	0.002489	1.32E-05		10	1.41
11	0.2972	24.3758	7.15	0.001132	2.72E-06		11	1.28
12	0.3169	23.6257	6.71	0.000004	3.4E-11		12	1.14
25	0.3421	27.2301	6.22	0.000496	5.23E-07		Sum	16.97
					0.456873	g/gal	Average	1.41
					1.007222	lb/E3gal		

Table 2
July Run for Southern Counties

VTYPE	GM_MILE	MILES	MPG	VMT	G/GAL	
1	0.1144	29.1752	23.9	0.456768	0.570447	
2	0.1955	34.8826	18.75	0.071404	0.018689	
3	0.1955	34.8826	18.75	0.237712	0.207133	
4	0.2882	33.944	14.3	0.072838	0.021865	
5	0.2882	33.944	14.3	0.033496	0.004624	
6	0.4164	35.8288	9.9	0.029201	0.003515	
7	0.4529	32.4716	9.1	0.001038	4.44E-06	
8	0.4763	19.6757	8.66	0.000509	1.07E-06	
9	0.5264	27.4602	7.83	0.00116	5.55E-06	
10	0.5283	27.3328	7.8	0.002482	2.54E-05	
11	0.5749	24.2458	7.17	0.001122	5.19E-06	
12	0.6128	23.3718	6.73	0.000004	6.6E-11	
25	0.6629	27.2301	6.22	0.000485	9.7E-07	
					0.826316	g/gal
					1.821697	lb/E3gal

5. Multiply the process rate in step 4 by the emission factor found in the mobile model.

Sub-Category 4.5: Vehicle Fueling (Stage II) – Spillage

SCC: 2501060103

Follow these steps when calculating emissions from vehicle fueling – Spillage:

1. Find the amount of gasoline sold in Indiana at the Federal Highway Administration, U.S. Department of Transportation http://www.fhwa.dot.gov/policy/ohim/hs04/htm/mf21.htm.

2. Find the amount of gasoline sold statewide and by county using the NAICS code 447-Gasoline Service Station from the U.S. Census Bureau's, Economic Census at http://www.census.gov/econ/census02/data/in/IN000_44.HTM#N447.

3. Allocate the amount sold to each of the counties by dividing the amount of sales in each county by statewide sales and multiplying by the number of gallons sold statewide found above in step 1.

4. Apply the emission factor 0.7 lb VOC/1000 gallons in AP-42, Fifth Edition, Volume 1, Chapter 5, Petroleum Industry, Transportation, and Marketing of Petroleum Liquids http://www.epa.gov/ttn/chief/ap42/ch05/final/c05s02.pdf to the process rate found in step 4.

Sub-Category 4.6: Underground Tank Breathing

SCC: 2501060200

Follow these steps when calculating emissions from underground tank breathing:

1. Find the amount of gasoline sold in Indiana at the Federal Highway Administration, U.S. Department of Transportation http://www.fhwa.dot.gov/policy/ohim/hs04/htm/mf21.htm.

2. Find the amount of gasoline sold statewide and by county using the NAICS code 447-Gasoline Service Station from the U.S. Census Bureau's, Economic Census at http://www.census.gov/econ/census02/data/in/IN000_44.HTM#N447.

3. Allocate the amount sold to each of the counties by dividing the amount of sales in each county by statewide sales and multiplying by the number of gallons sold statewide found above in step 1.

4. Apply the emission factor 1.0 lb VOC/1000 gallons in AP-42, Fifth Edition, Volume 1, Chapter 5, Petroleum Industry, Transportation, and Marketing of Petroleum Liquids http://www.epa.gov/ttn/chief/ap42/ch05/final/c05s02.pdf to the process rate found in step 4.

Sub-Category 4.7: Tank Trucks in Transit

SCC: 2505030120

Follow these steps when calculating emissions from tank trucks in transit:

1. Find the amount of gasoline sold in Indiana at the Federal Highway Administration, U.S. Department of Transportation http://www.fhwa.dot.gov/policy/ohim/hs04/htm/mf21.htm.

2. Find the amount of gasoline sold statewide and by county using the NAICS code 447-Gasoline Service Station from the U.S. Census Bureau's, Economic Census at http://www.census.gov/econ/census02/data/in/IN000_44.HTM#N447.

3. Allocate the amount sold to each of the counties by dividing the amount of sales in each county by statewide sales and multiplying by the number of gallons sold statewide found above in step 1.

4. Using the guidance in the EIIP, Volume 3, Chapter 11, Gasoline Marketing (Stage I and State II) at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/iii11_apr2001.pdf), multiply the activity rate 1.25 by the amount sold per county found in step 4.

5. Now multiply the process rate found in step 5 by the emission factor .06 lb VOC/gallon transported using the EIIP guidance above.

Category 5: Waste Management Practices

Sub-Category 5.1: Solid Waste Incineration

5.1.1: Industrial Solid Waste Incineration

SCC: 2601010000

Follow these steps when calculating emissions from industrial solid waste incineration:

1. Find the number of manufacturing employees, NAICS code 31, for each county using the County Business Patterns at the U.S. Census Bureau's website http://censtats.census.gov/cgi-bin/cbpnaic/cbpsel.pl.

   Note: Use the steps in 3.2-1 to navigate through the county business patterns.

2. Multiply the county manufacturing employment by the default fuel-loading factor 420 tons / 1,000 manufacturing employees.

3. Multiply the process rate in step 2 by AP-42, Fifth Edition, Volume 1, Chapter 2-1.12, Solid Waste Disposal at http://www.epa.gov/ttn/chief/ap42/ch02/index.html.

5.1.2: Commercial Solid Waste Incineration

SCC: 2601020000

Follow these steps when calculating emissions from commercial solid waste incineration:

1. Find the population for each county at the U.S. Census Bureau's website http://www.census.gov/.

   Note: Use steps 2.1-5 to navigate through the U.S. Census Bureau's website.

2. Next find the default factor of .65lb/person/day from U.S. EPA Municipal Solid Waste Report http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm.

3. Find the percent of commercial solid waste from the U.S. EPA Municipal Solid Waste Report above.

4. Now, calculate the process rate for commercial solid waste incineration by multiplying population by the default factor of .65lb/person/day by the percent of commercial solid waste and number of days in a year.

5. Multiply the process rate in step 4 by AP-42, Fifth Edition, Volume 1, Chapter 2-1.12, Solid Waste Disposal at http://www.epa.gov/ttn/chief/ap42/ch02/index.html.

5.1.3: Residential Solid Waste Incineration

SCC: 2601030000

Follow these steps when calculating emissions from residential solid waste incineration:

1. Find the population for each county at the U.S. Census Bureau's website http://www.census.gov/.

   Note: Use step 2.1-5 to navigate through the U.S. Census Bureau's website.

2. Next find the default factor of .65lb/person/day from U.S. EPA Municipal Solid Waste Report http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm.

3. Find the percent of residential solid waste from the U.S. EPA Municipal Solid Waste Report above.

4. Now, calculate the process rate for residential solid waste incineration by multiplying population by the default factor of .65lb/person/day by the percent of commercial solid waste and number of days in a year.

5. Multiply the process rate in step 4 by AP-42, Fifth Edition, Volume 1, Chapter 2-1.12, Solid Waste Disposal at http://www.epa.gov/ttn/chief/ap42/ch02/index.html.

Sub-Category 5.2: Residential Open Burning

5.2.1: Leaf and Brush Burning

SCC: 2610000100 and 2610000400

Follow theses step when calculating emissions from leaf and brush burning:

1. Find a per capita factor for leaf burning and a per capita for brush burning by using the U.S. EPA's Solid Waste Report at http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm.

2. Allocate the amount burned by adjusting the per capita factor for leaves at 25% and for brush at 25%. Of the total waste generated only 28% burns.

3. Once all the percentages from above are calculated, multiply the adjusted per capita factor by the rural population for each county from the U.S. Census Bureau at http://www.census.gov/

   Note: As of the data of this SOP, the following steps will lead to county rural population.

   a. Go to http://www.census.gov/
   b. On the left hand side, select American Fact Finder
   c. Select data sets
   d. Detailed tables
   e. County
   f. Indiana
   g. All counties

4 Use the table below to adjust the amount of waste generated to account for the percentage of forest in each county. The percentages come from a document from the United States Department of Agriculture at http://ncrs.fs.fed.us/pubs/rb/rb_nc253b.pdf.

Percent Forested Acres per County	Adjusted for Yard Waste Generated
< 10%	0% generated
>= 10%, and < 50%	50% generated
>= 50%	100% generated

5. Now, multiply the amount of leaves and brush by the emission factors found in AP-42, Fifth Edition, Volume 1, Chapter 2, Solid Waste Disposal, Table 2.5-5, and Table 2.5-6 at http://www.epa.gov/ttn/chief/ap42/ch02/final/c02s05.pdf.

5.2.2: Residential Waste Incineration

SCC: 2610030000

Follow these steps when calculating emissions from for residential waste incineration:

1. Find a per capita factor for residential waste incineration by using the U.S. EPA's Solid Waste Report at http://www.epa.gov/epaoswer/non-hw/muncpl/pubs/mswchar05.pdf.

2. Using the Solid Waste Report above, subtract the percentage of recycled and composted material from the per capita factor above.

3. Now, subtract the percentages of combustibles i.e. glass, metal, yard trimmings, and other waste.

4. Using a document from EPA, it states that only 28% of waste generated by rural population burns and of that percent, 49% is actually combusted. Using this information multiply the per capita factor by 0.28 and then multiply that number by 0.49 actually burned in rural counties.

5. Once all the percentages are calculated, multiply the adjusted per capita factor by the rural population for each county from the U.S. Census Bureau at http://www.census.gov/.

   Note: Use steps 5.2.1-3 to find county rural population.

6. Calculate the amount of residential waste by the emission factors in the EIIP, Volume 3, Chapter 16, Open Burning at http://www.epa.gov/ttn/chief/eiip/techreport/volume03/index.html.

Sub-Category 5.3: Public Owned Treatment Works (POTW's)

SCC: 2630020000

Follow these steps when calculating emissions from POTW's:

1. To calculate the amount of annual flow for public owned treatment works, obtain the amount of monthly flow rate for each county. This is data is supplied by the Office of Water Quality. To calculate for annual flow multiply the monthly flow by the default of 0.16 that represents the amount of industrial flow.

2. Calculate the process rate above by the emission factors in FIRE 6.25 using the SCC code 2630020000.

Sub-Category 5.4: Treatment, Storage, and Disposal Facilities

SCC: 2640000004

Follow these steps when calculating emissions from treatment, storage, and disposal facilities:

1. Obtain a list of treatment facilities and the amount of ignitable waste from each facility from IDEM's Office of Land Quality.

2. Using the list of facilities from step 1, run a query using the ACCESS data tables at K:\OAQ_INV\Steptool\Stptl_02.mdb to obtain the amount of ignitable waste reported to IDEM's Office of Air Quality.

3. Compare the two lists obtained in step 1 and step 2, for each facility subtract any quantity reported to OAQ from the quantity reported to OLQ. Do this in order to avoid double counting quantities reported to both offices. Combine the quantities reported from facilities within the same counties. Use these quantities as the process rate for each county.

4. Multiply the process rate above with the combined emission factor in the table below:

Emission Source	Emission Factor in AP-42 (lb VOC/Ton)	Emission Factor Used (lb VOC/Ton)
Storage Tank Vent	0.004-0.09	0.09
Spillage (filling)	0.20	0.20
Loading (filling)	0.00024-1.42	1.42
Spillage (emptying)	0.20	0.20
Loading (emptying)	0.00024-1.42	1.42
Combined Emission Factor		**3.33**

Category 6: Submit Data to EPA

Submit data in a format that is acceptable to EPA. At the present time the format is the National Emission Inventory (NEI).

6. Standards and checklists

The Emission Reporting program does not have any checklist for the Area Source Inventory at this time. The Emission Group does this electronically through an excel spreadsheet that is created when needed.

7. Records Management

The Area Source Inventory files are kept electronically at K:\OAQ_INV\Inv\Area Source.

The Branch Contact for the Air Programs Branch and the Section contact for the Technical Support and Modeling Section will keep copies of the SOPs for the Technical Support and Modeling Section to be referenced as needed. An electronic copy will also be available on K:\OAQ_INV\SOPs.

8. Quality Assurance / Quality Control
Comparisons are made against the emissions estimates made by The U.S. EPA in the NEI.

9. Continuous Improvement Cycle
A periodic review will be completed per updates and changes made to the EIIP.

10. References
The Area Source Inventory is a requirement of 40 CFR Part 51 Subpart A - Emission Inventory Reporting Requirements.

11. History of Revisions

Date Month/day/year	Revision Number	Description
02/27/2008	1	Revised using new SOP template.

12. Appendices
None

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APPENDIX H

Modeling Summary

- **Fine Particles ($PM_{2.5}$) Design Value Trends**
- **Lake Michigan Air Directors Consortium (LADCO) Modeling Results for Central Indiana**
- **Regional/Emission Sector Particulate Source Apportionment Technology (PSAT) Results for Marion County**
- **Speciated Contributions to Central Indiana $PM_{2.5}$ Concentrations**
- **Distribution of $PM_{2.5}$ Concentration Days using Air Quality Index (AQI) Levels**

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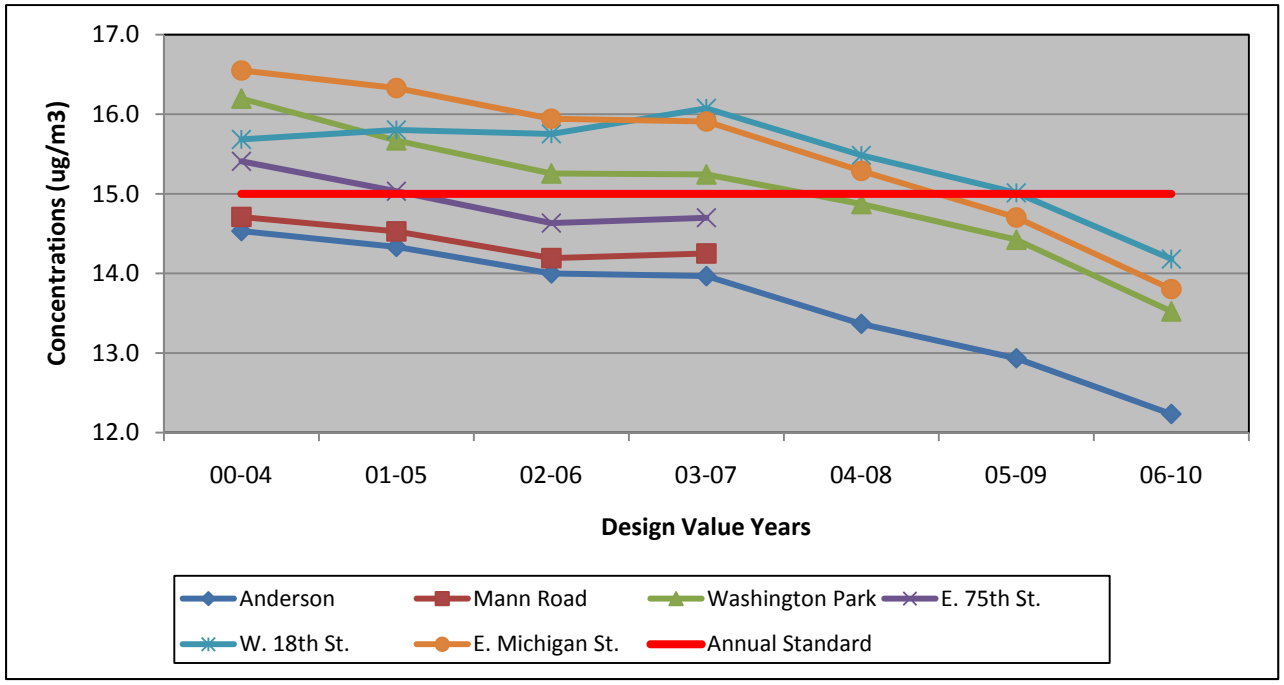
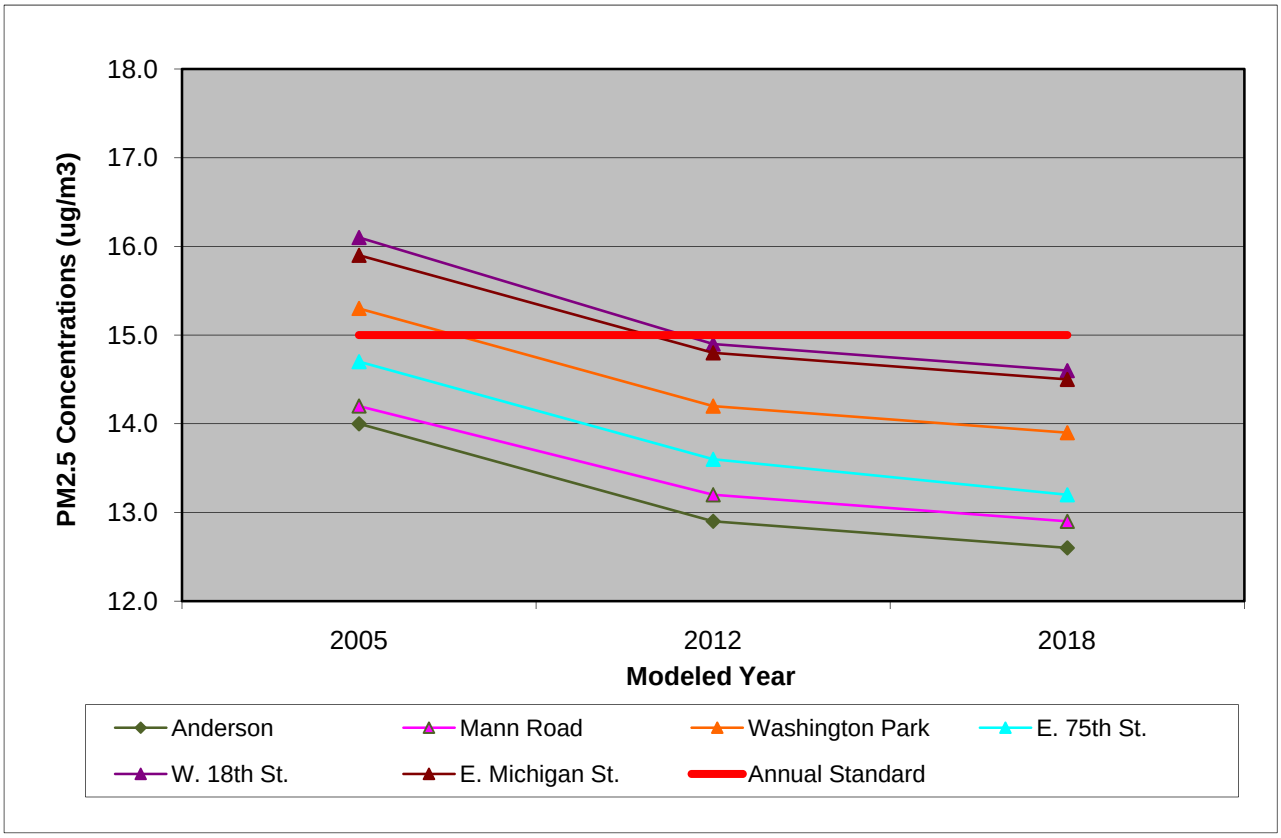
$PM_{2.5}$ Design Value Trends for the Central Indiana Area: 2000 - 2010

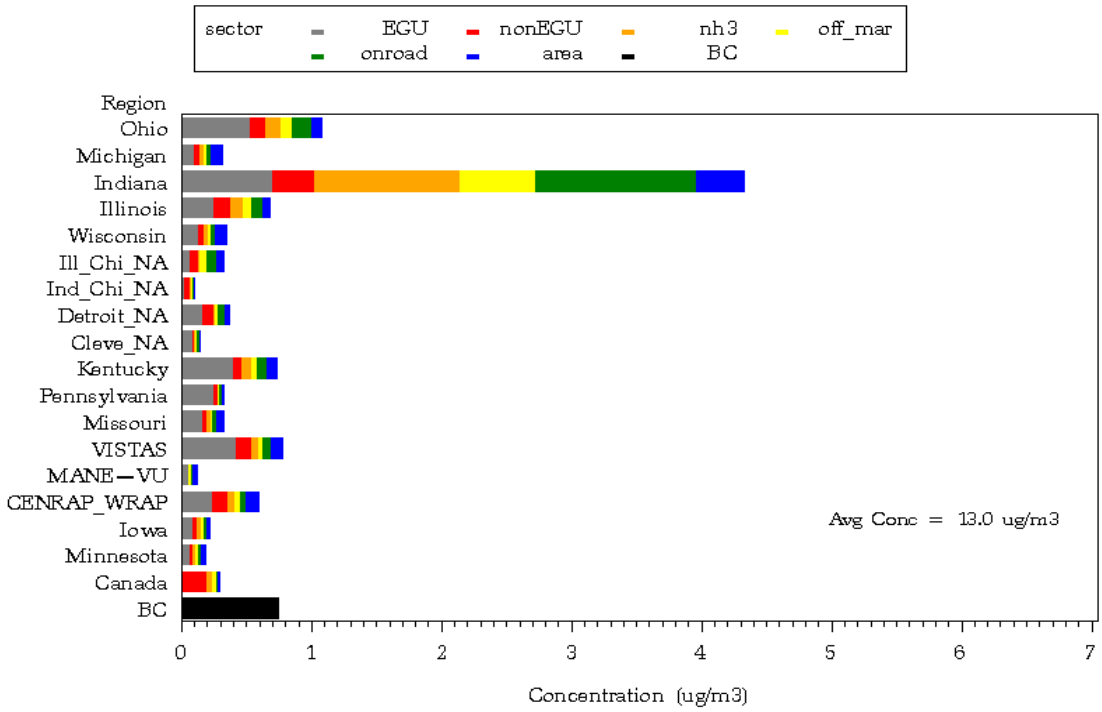


LADCO Modeling Results for Central Indiana $PM_{2.5}$ Monitors for 2012 and 2018



Regional/Emission Sector PSAT Results by Sector for Marion County at E. Michigan Street $PM_{2.5}$ Monitor

IN — Marion : (180970083) baseM3



Regional/Pollutant PSAT Results by Contribution for Marion County at E. Michigan Street $PM_{2.5}$ Monitor

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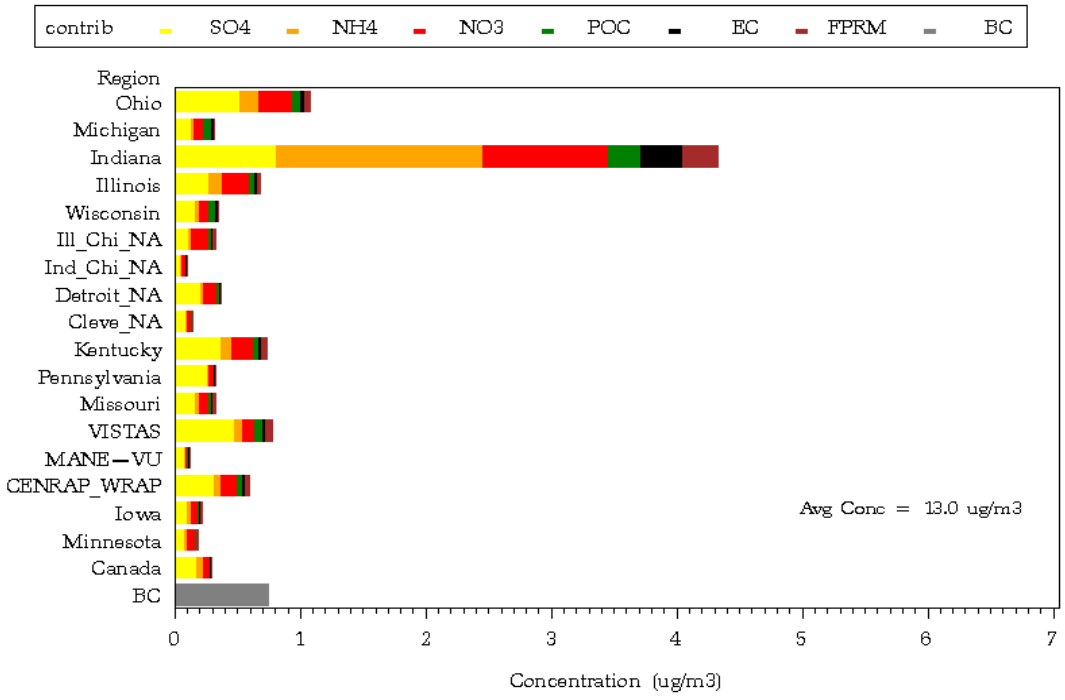
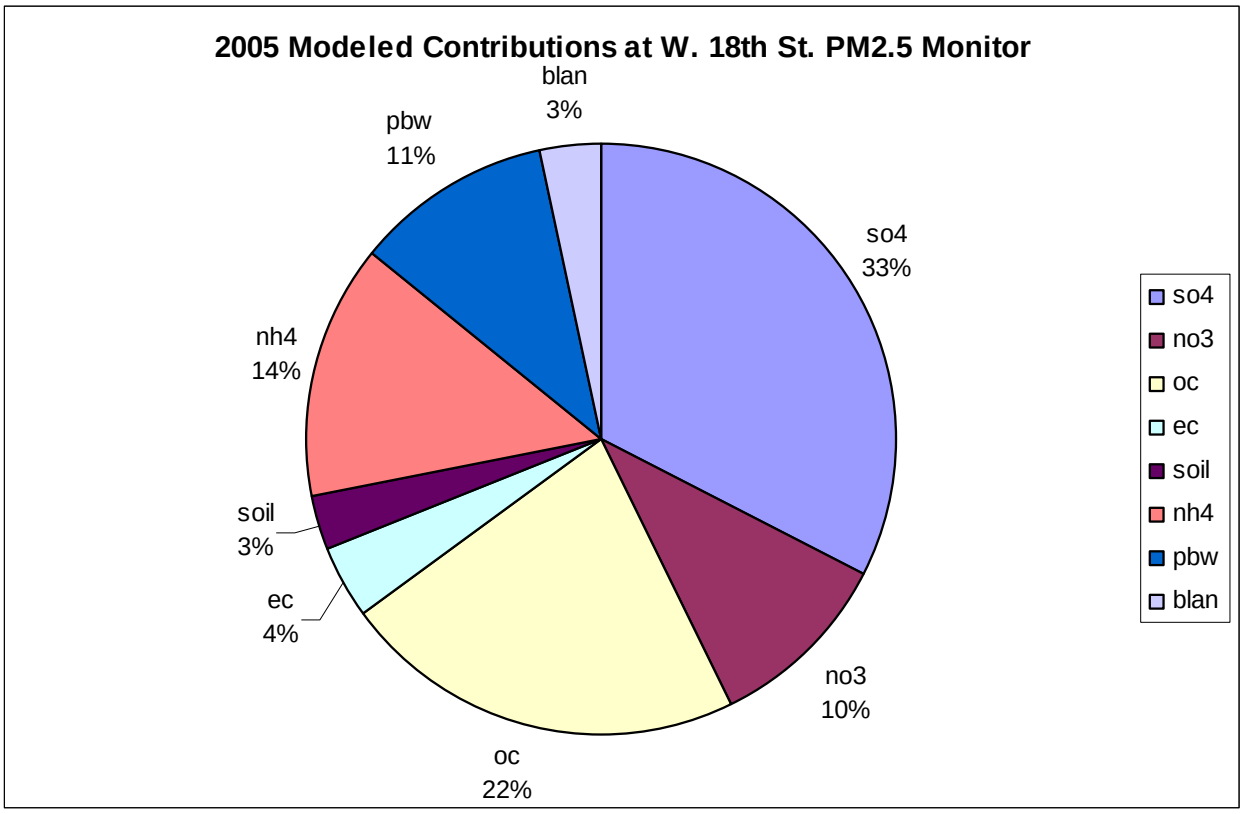
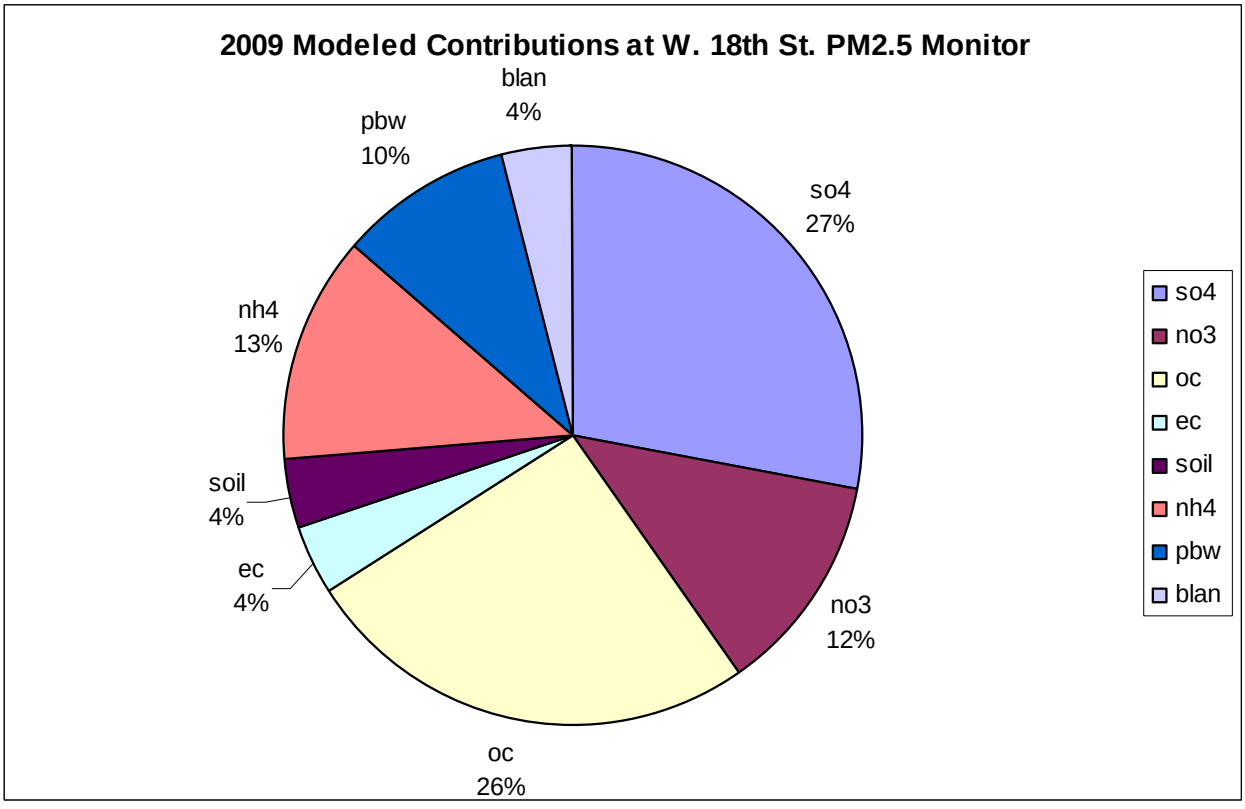
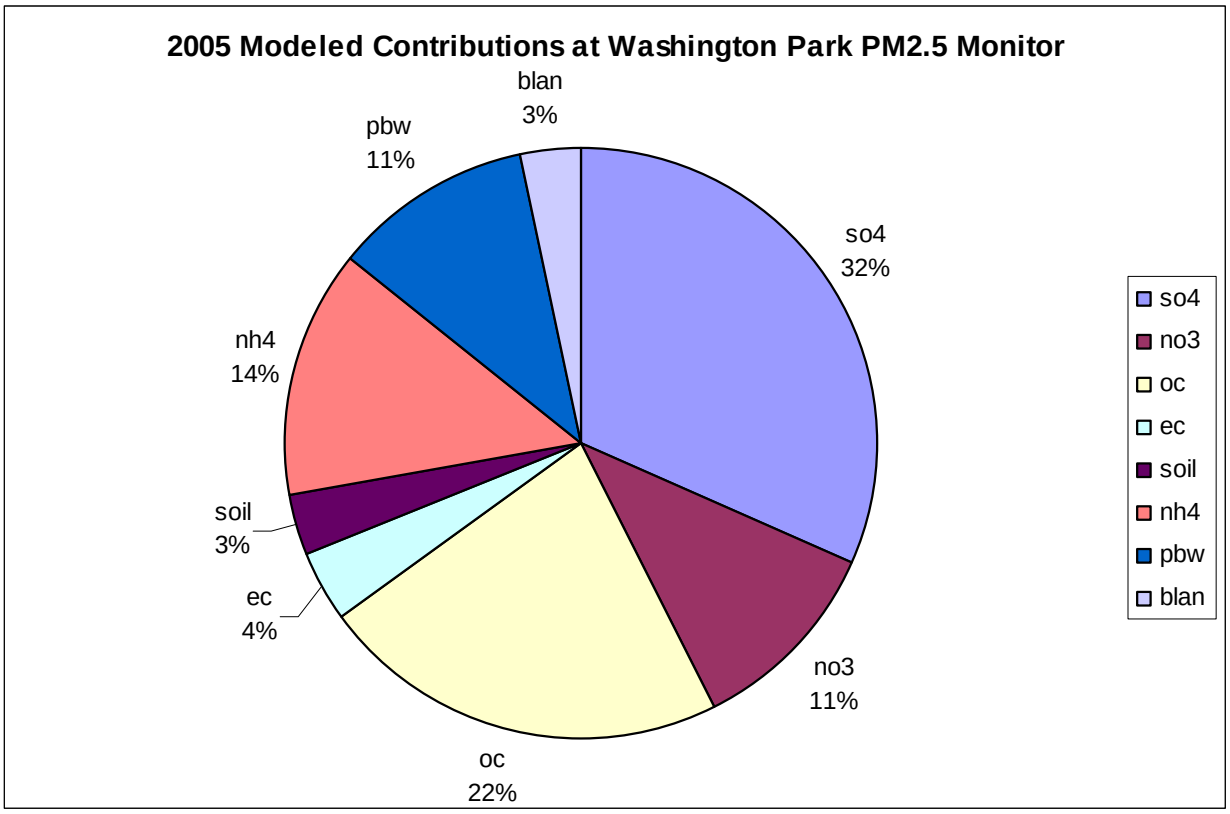


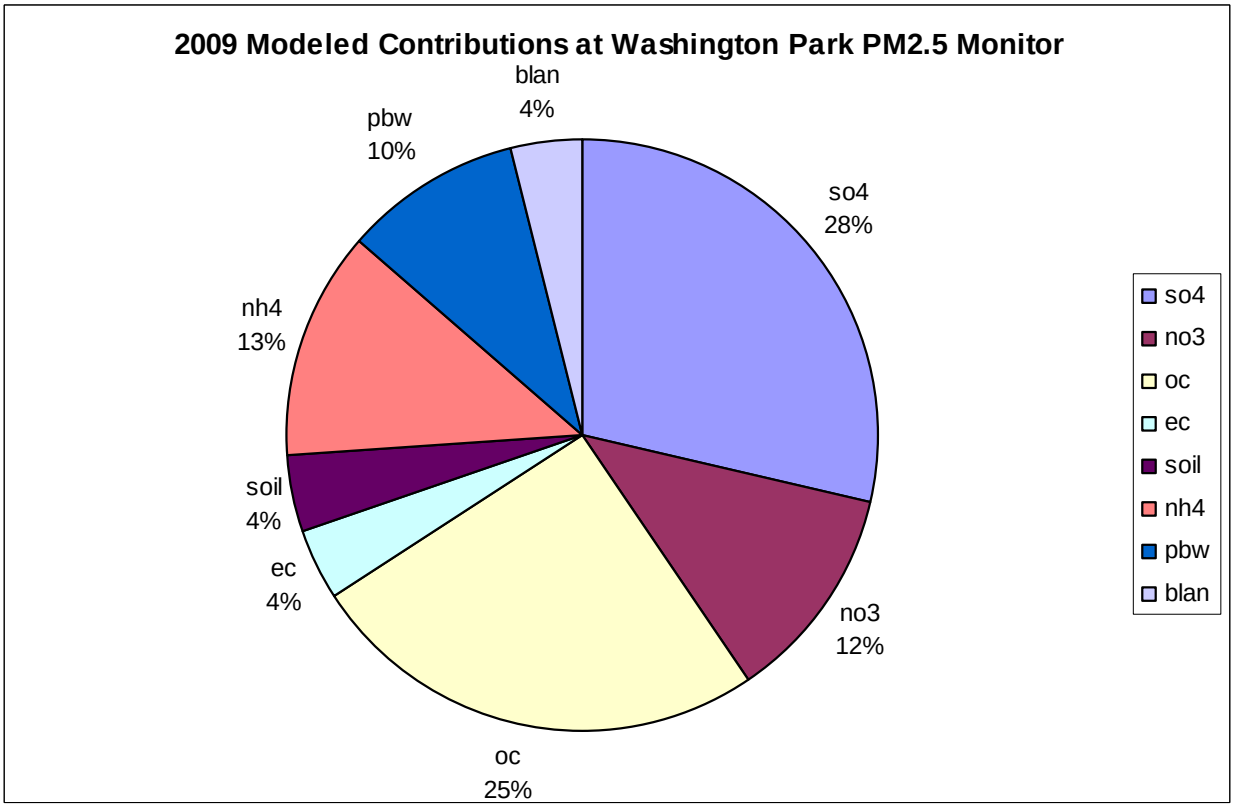
Species Modeled Contributions to W. 18th Street $PM_{2.5}$ Monitor in Marion County



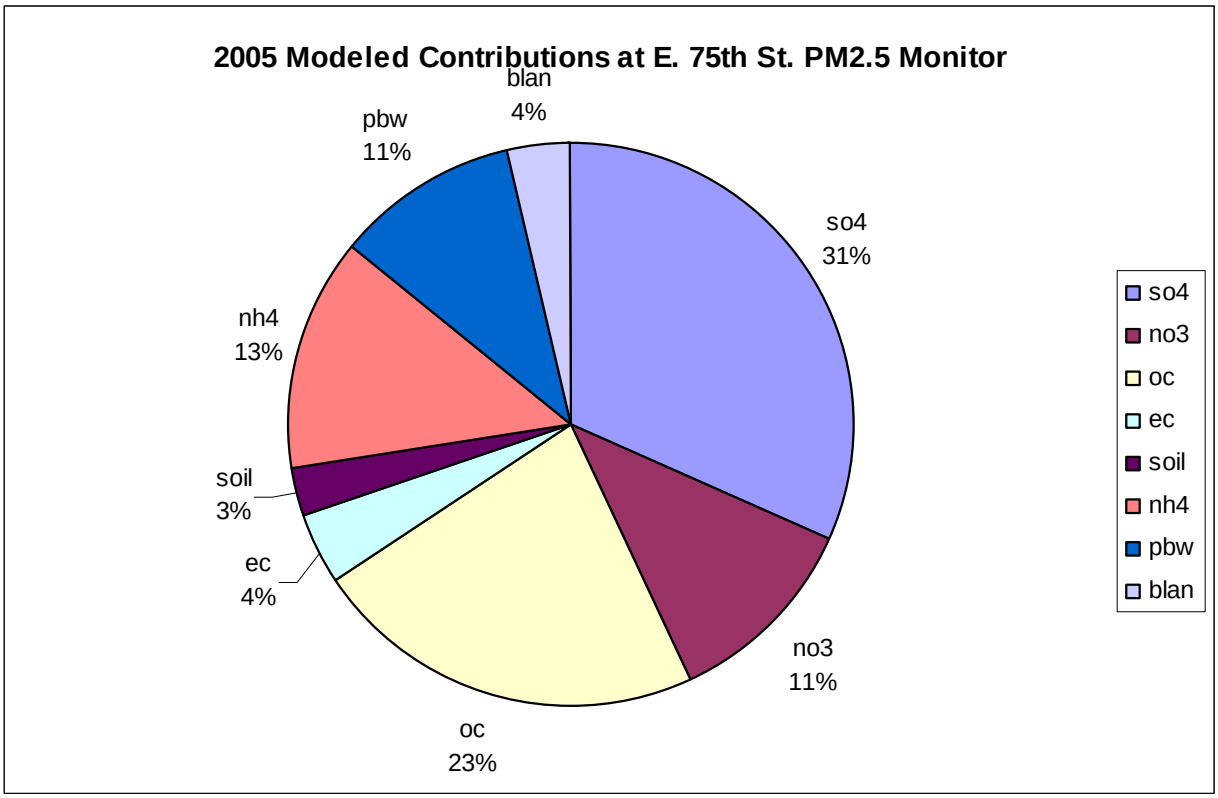


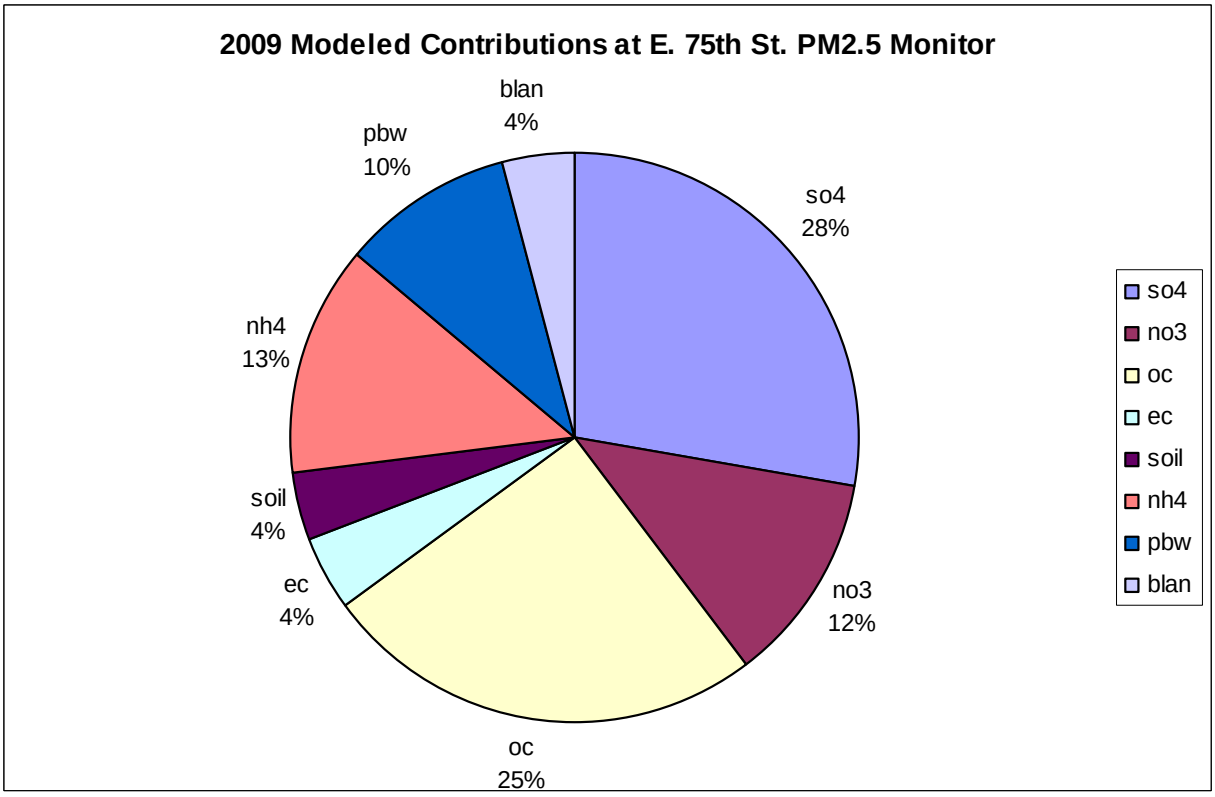
Species Modeled Contributions to Washington Park $PM_{2.5}$ Monitor in Marion County



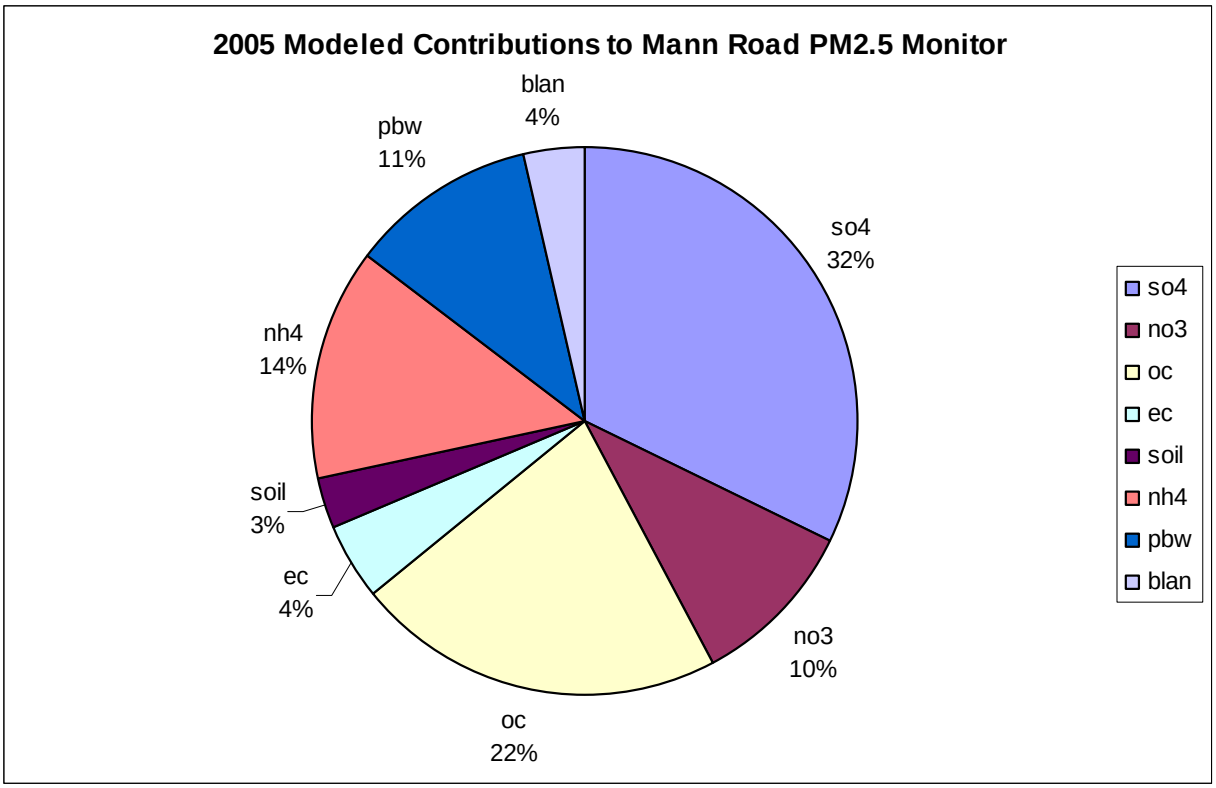


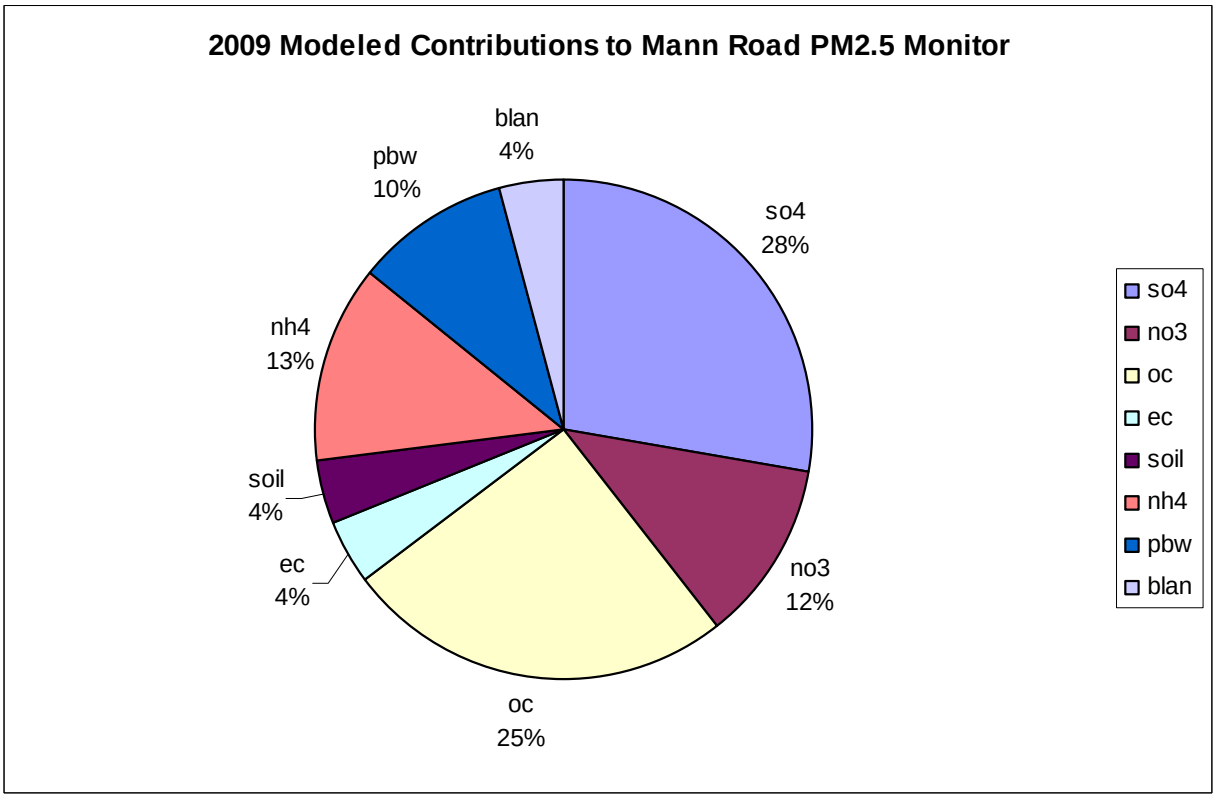
Species Modeled Contributions to E. 75th Street $PM_{2.5}$ Monitor in Marion County



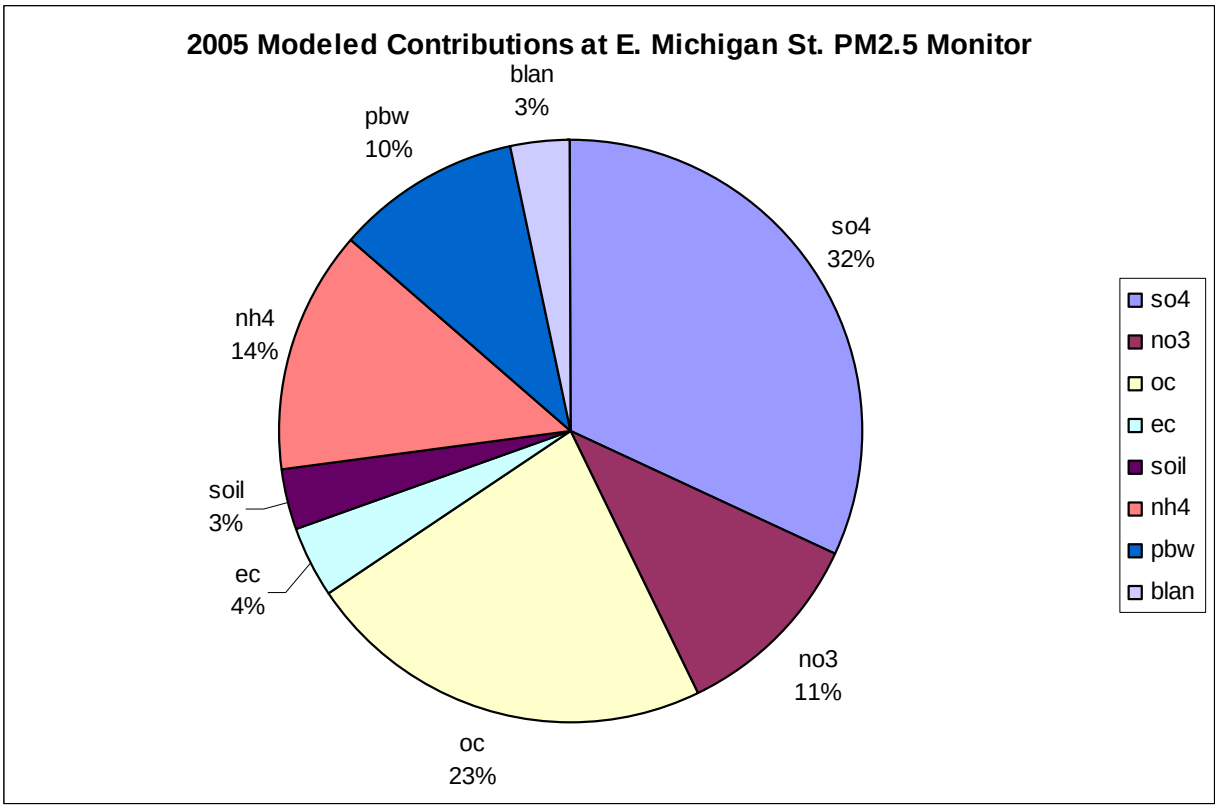


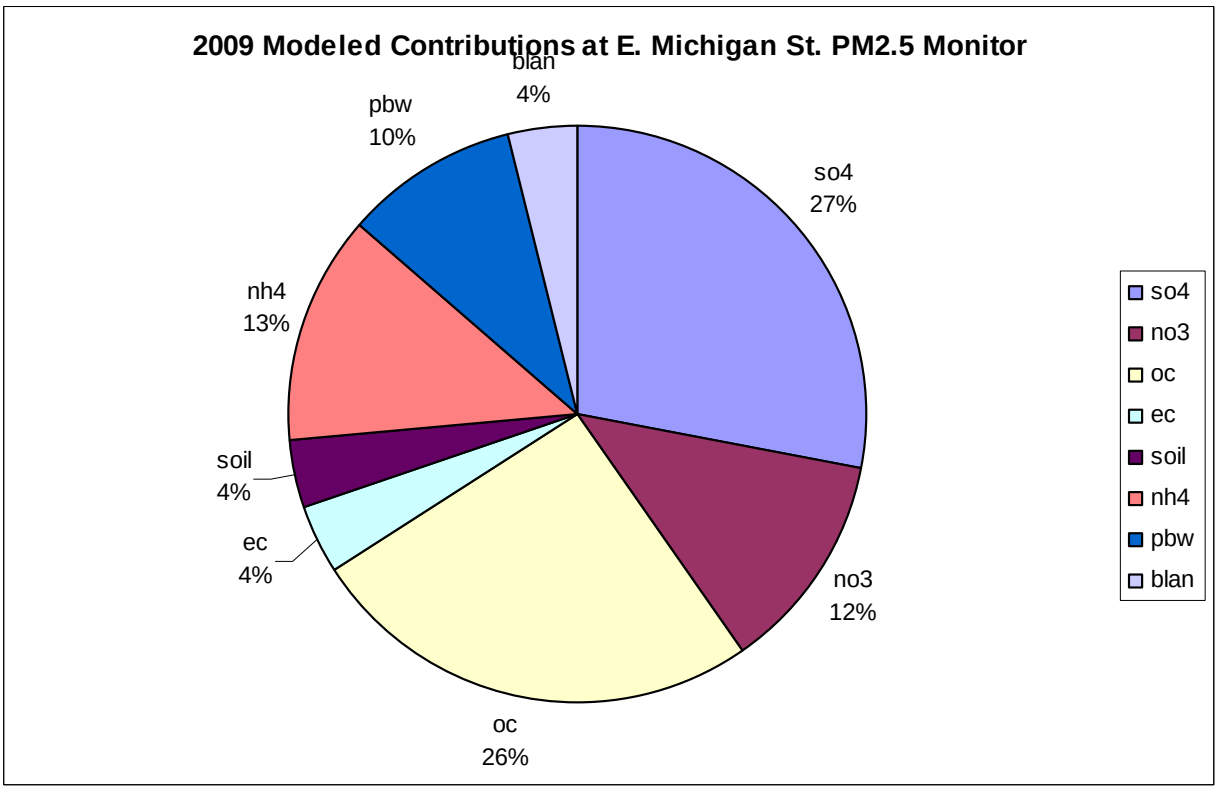
Species Modeled Contributions to Mann Road $PM_{2.5}$ Monitor in Marion County





Species Modeled Contributions to E. Michigan Street $PM_{2.5}$ Monitor in Marion County





Distribution of $PM_{2.5}$ Concentration Days in Central Indiana on the AQI Levels of Health Concern