

**2005 and 2008 Base Year Emissions Inventories  
and 2015 and 2025 Projected Emission Inventories  
for Nitrogen Oxides (NO<sub>x</sub>), Sulfur Dioxides (SO<sub>2</sub>),  
and Direct PM<sub>2.5</sub>, Louisville Area**

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**2005-Clark, Floyd and Jefferson Counties, IN Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	4,106.81	1,971.32	358.62	0.00	2,220.61	8,657.36
	FLOYD COUNTY, IN	2,922.90	754.09	286.78	5,306.09	0.19	9,270.05
	JEFFERSON COUNTY, IN	521.05	521.01	152.26	22,620.90	7.74	23,822.96
		7,550.76	3,246.42	797.66	27,926.99	2,228.54	
GRAND TOTAL							41,750.37

SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	20.72	178.06	138.17	0.00	3,190.07	3,527.02
	FLOYD COUNTY, IN	14.03	78.04	113.26	56,666.70	0.00	56,872.03
	JEFFERSON COUNTY, IN	2.10	49.44	73.19	74,658.70	0.11	74,783.54
		36.85	305.54	324.62	131,325.40	3,190.18	
GRAND TOTAL							135,182.59

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	263.47	82.06	5.14	0.00	611.00	961.67
	FLOYD COUNTY, IN	193.61	47.26	4.63	36.76	12.02	294.28
	JEFFERSON COUNTY, IN	15.11	31.07	2.50	283.00	10.70	342.38
		472.19	160.39	12.27	319.76	633.72	
GRAND TOTAL							1,598.33

**2008-Clark, Floyd, and Jefferson Counties, IN Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	3,444.07	1,519.07	364.36	0.00	2,419.41	7,746.91
	FLOYD COUNTY, IN	2,397.70	611.02	291.17	4,941.90	0.19	8,241.98
	JEFFERSON COUNTY, IN	403.83	423.14	155.62	20,546.70	7.88	21,537.17
		6,245.60	2,553.23	811.15	25,488.60	2,427.48	
GRAND TOTAL							37,526.06

SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	22.22	86.85	140.18	0.00	3,493.53	3,742.78
	FLOYD COUNTY, IN	14.58	33.26	114.69	40,433.40	0.00	40,595.93
	JEFFERSON COUNTY, IN	2.09	21.86	75.45	64,934.30	0.11	65,033.81
		38.89	141.97	330.32	105,367.70	3,493.64	
GRAND TOTAL							109,372.52

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	225.95	66.05	5.17	0.00	520.25	817.42
	FLOYD COUNTY, IN	159.34	39.48	4.68	31.00	3.79	238.29
	JEFFERSON COUNTY, IN	11.23	25.88	2.52	284.50	8.24	332.37
		396.52	131.41	12.37	315.50	532.28	
GRAND TOTAL							1,388.08

**2015-Clark, Floyd, and Jefferson Counties, IN Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	1,843.80	1,039.80	358.58	0.00	1,360.31	4,602.49
	FLOYD COUNTY, IN	1,306.71	379.02	286.61	2,744.00	0.20	4,716.54
	JEFFERSON COUNTY, IN	199.31	287.45	153.02	12,822.00	7.93	13,469.71
		3,349.82	1,706.27	798.21	15,566.00	1,368.44	
GRAND TOTAL							22,788.74

SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	22.83	25.82	135.94	0.00	1,349.85	1,534.44
	FLOYD COUNTY, IN	15.38	10.68	111.09	5,660.62	0.00	5,797.77
	JEFFERSON COUNTY, IN	1.97	5.37	73.37	27,203.00	0.11	27,283.82
		40.18	41.87	320.40	32,863.62	1,349.96	
GRAND TOTAL							34,616.03

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	112.38	44.37	5.04	0.00	579.58	741.37
	FLOYD COUNTY, IN	80.50	26.01	4.59	28.00	1.02	140.12
	JEFFERSON COUNTY, IN	4.88	17.36	2.45	285.00	7.37	317.06
		197.76	87.74	12.08	313.00	587.97	
GRAND TOTAL							1,198.55

**2025-Clark, Floyd, and Jefferson Counties, IN Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	975.12	558.76	354.47	0.00	561.03	2,449.38
	FLOYD COUNTY, IN	726.78	176.87	283.29	2,744.00	0.20	3,931.14
	JEFFERSON COUNTY, IN	109.90	155.39	151.57	12,822.00	8.06	13,246.92
		1,811.80	891.02	789.33	15,566.00	569.29	
GRAND TOTAL							19,627.44

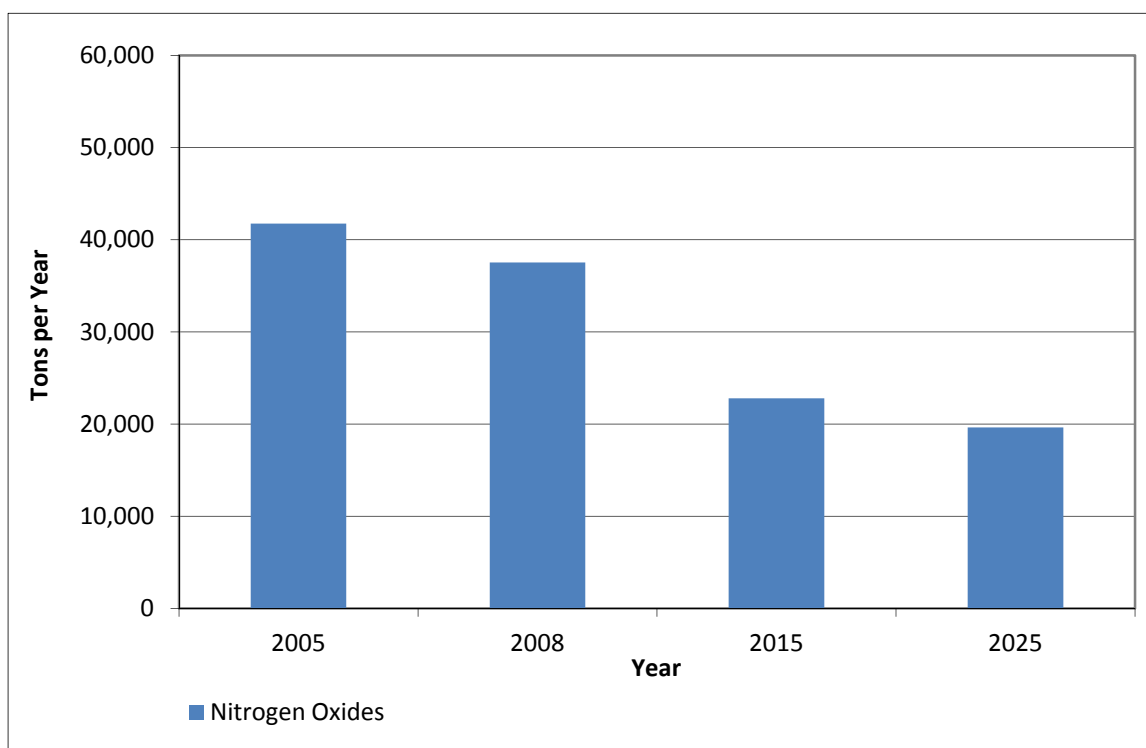
SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	21.70	2.63	131.87	0.00	122.30	278.50
	FLOYD COUNTY, IN	15.30	1.62	107.49	27,203.00	0.00	27,327.41
	JEFFERSON COUNTY, IN	2.01	0.35	71.99	5,660.62	0.11	5,735.08
		39.01	4.60	311.35	32,863.62	122.41	
GRAND TOTAL							33,340.99

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	58.79	23.57	4.90	0.00	613.01	700.27
	FLOYD COUNTY, IN	45.02	13.50	4.50	28.00	0.18	91.20
	JEFFERSON COUNTY, IN	2.65	9.27	2.37	285.00	5.77	305.06
		106.46	46.34	11.77	313.00	618.96	
GRAND TOTAL							1,096.53

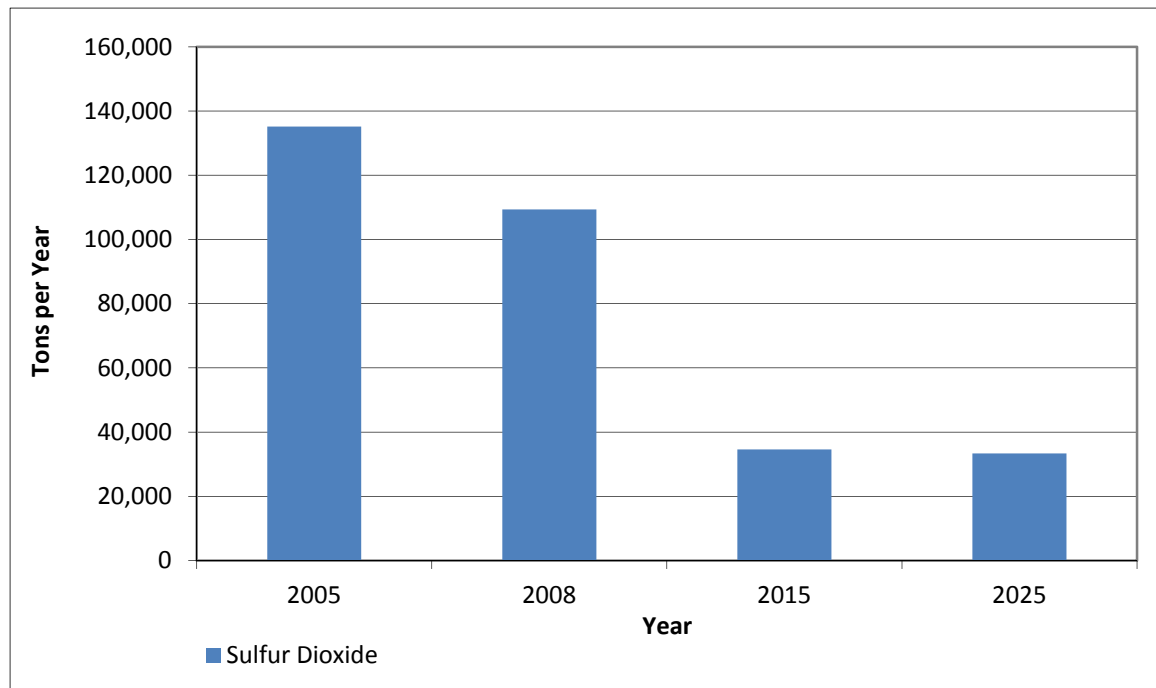
**Comparison of 2008 Estimated and 2025 Projected Emission Estimates, All Sources  
in Clark, Floyd, and Jefferson Counties, Indiana (Tons per Year)**

	<b>2008</b>	<b>2025</b>	<b>Change</b>	<b>% Change</b>
NO <sub>x</sub>	37,526.06	19,627.44	-17,898.62	47.70% decrease
SO <sub>2</sub>	109,372.52	33,340.99	-76,031.53	69.52% decrease
Direct PM <sub>2.5</sub>	1,388.08	1,096.53	-291.55	21.00% decrease

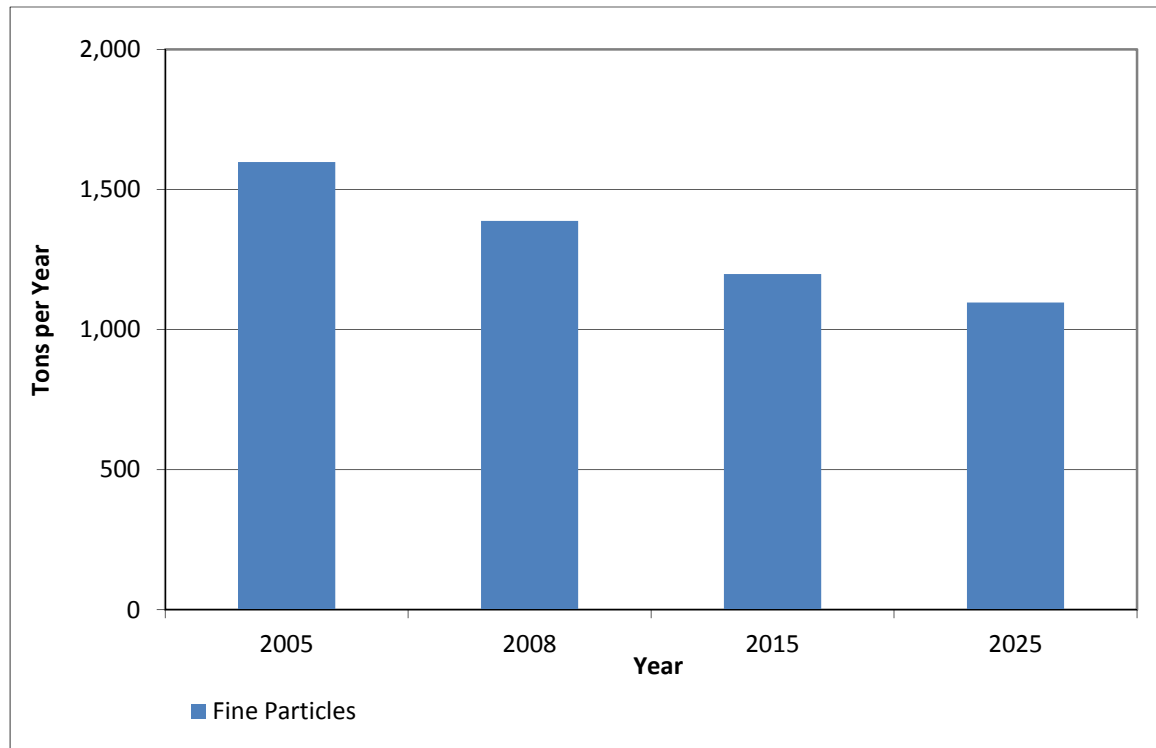
**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Projected NO<sub>x</sub>  
Emissions, Clark, Floyd, and Jefferson Counties, Indiana**



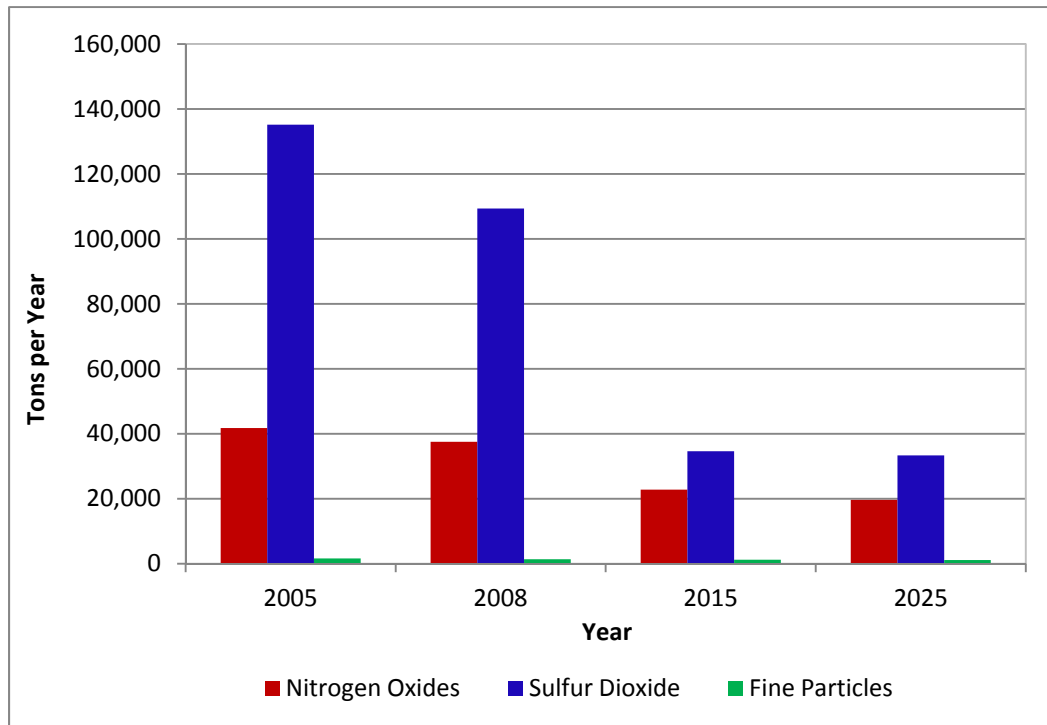
**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Projected SO<sub>2</sub> Emissions, Sources, Clark, Floyd, and Jefferson Counties, Indiana**



**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Direct PM<sub>2.5</sub> Emissions, Clark, Floyd, and Jefferson Counties, Indiana**



**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Projected NO<sub>x</sub>, SO<sub>2</sub>, and Direct PM<sub>2.5</sub> Emissions, Clark, Floyd, and Jefferson Counties, Indiana**



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**2005-Louisville Area Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	4,106.81	1,971.32	358.62	0.00	2,220.61	8,657.36
	FLOYD COUNTY, IN	2,922.90	754.09	286.78	5,306.09	0.19	9,270.05
	JEFFERSON COUNTY, IN	521.05	521.01	152.26	22,620.90	7.74	23,822.96
	BULLITT COUNTY, KY	2,952.07	555.54	52.04	0.00	178.73	3,738.38
	JEFFERSON COUNTY, KY	22,241.72	12,311.53	0.00	20,109.00	3,542.50	58,204.76
		<b>32,744.56</b>	<b>16,113.49</b>	<b>849.70</b>	<b>48,035.99</b>	<b>5,949.77</b>	
GRAND TOTAL							<b>103,693.51</b>

SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	20.72	178.06	138.17	0.00	3,190.07	3,527.02
	FLOYD COUNTY, IN	14.03	78.04	113.26	56,666.70	0.00	56,872.03
	JEFFERSON COUNTY, IN	2.10	49.44	73.19	74,658.70	0.11	74,783.54
	BULLITT COUNTY, KY	12.11	32.72	91.82	0.00	288.48	425.13
	JEFFERSON COUNTY, KY	95.26	1,508.63	0.00	42,893.90	1,143.79	45,641.59
		<b>144.23</b>	<b>1,846.89</b>	<b>416.44</b>	<b>174,219.30</b>	<b>4,622.45</b>	
GRAND TOTAL							<b>181,249.31</b>

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	263.47	82.06	5.14	0.00	611.00	961.67
	FLOYD COUNTY, IN	193.61	47.26	4.63	36.76	12.02	294.28
	JEFFERSON COUNTY, IN	15.11	31.07	2.50	283.00	10.70	342.38
	BULLITT COUNTY, KY	165.41	47.23	240.51	0.00	56.46	509.61
	JEFFERSON COUNTY, KY	1,408.81	779.80	10.22	3,123.24	604.24	5,926.31
		<b>2,046.41</b>	<b>987.42</b>	<b>263.00</b>	<b>3,443.00</b>	<b>1,294.42</b>	
GRAND TOTAL							<b>8,034.25</b>

**2008-Louisville Area Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	3,444.07	1,519.07	364.36	0.00	2,419.41	7,746.91
	FLOYD COUNTY, IN	2,397.70	611.02	291.17	4,941.90	0.19	8,241.98
	JEFFERSON COUNTY, IN	403.83	423.14	155.62	20,546.70	7.88	21,537.17
	BULLITT COUNTY, KY	2,820.80	518.47	54.67	0.00	189.34	3,583.28
	JEFFERSON COUNTY, KY	19,094.05	10,373.56	0.00	19,687.10	3,283.48	52,438.19
		<b>28,160.45</b>	<b>13,445.26</b>	<b>865.82</b>	<b>45,175.70</b>	<b>5,900.30</b>	
GRAND TOTAL							<b>93,547.53</b>

SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	22.22	86.85	140.18	0.00	3,493.53	3,742.78
	FLOYD COUNTY, IN	14.58	33.26	114.69	40,433.40	0.00	40,595.93
	JEFFERSON COUNTY, IN	2.09	21.86	75.45	64,934.30	0.11	65,033.81
	BULLITT COUNTY, KY	13.28	14.31	69.68	0.00	298.95	396.22
	JEFFERSON COUNTY, KY	101.00	1,048.63	0.00	38,686.90	1,151.10	40,987.64
		<b>153.18</b>	<b>1,204.91</b>	<b>400.00</b>	<b>144,054.60</b>	<b>4,943.69</b>	
GRAND TOTAL							<b>150,756.38</b>

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	225.95	66.05	5.17	0.00	520.25	817.42
	FLOYD COUNTY, IN	159.34	39.48	4.68	31.00	3.79	238.29
	JEFFERSON COUNTY, IN	11.23	25.88	2.52	284.50	8.24	332.37
	BULLITT COUNTY, KY	167.76	45.23	229.83	0.00	57.00	499.82
	JEFFERSON COUNTY, KY	1,218.29	686.87	25.39	2,763.06	640.00	5,333.60
		<b>1,782.56</b>	<b>863.51</b>	<b>267.59</b>	<b>3,078.56</b>	<b>1,229.28</b>	
GRAND TOTAL							<b>7,221.50</b>

**2015-Louisville Area Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	1,843.80	1,039.80	358.58	0.00	1,360.31	4,602.49
	FLOYD COUNTY, IN	1,306.71	379.02	286.61	2,744.00	0.20	4,716.54
	JEFFERSON COUNTY, IN	199.31	287.45	153.02	12,822.00	7.93	13,469.71
	BULLITT COUNTY, KY	1,782.71	398.45	55.55	0.00	214.61	2,451.32
	JEFFERSON COUNTY, KY	10,259.60	8,440.65	0.00	21,370.18	3,533.98	43,604.41
		<b>15,392.13</b>	<b>10,545.37</b>	<b>853.76</b>	<b>36,936.18</b>	<b>5,117.03</b>	
GRAND TOTAL							<b>68,844.47</b>

SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	22.83	25.82	135.94	0.00	1,349.85	1,534.44
	FLOYD COUNTY, IN	15.38	10.68	111.09	5,660.62	0.00	5,797.77
	JEFFERSON COUNTY, IN	1.97	5.37	73.37	27,203.00	0.11	27,283.82
	BULLITT COUNTY, KY	15.01	3.26	62.30	0.00	333.59	414.16
	JEFFERSON COUNTY, KY	102.55	853.02	0.00	44,256.62	1,228.85	46,441.05
		<b>157.75</b>	<b>898.15</b>	<b>382.70</b>	<b>77,120.24</b>	<b>2,912.40</b>	
GRAND TOTAL							<b>81,287.70</b>

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	112.38	44.37	5.04	0.00	579.58	741.37
	FLOYD COUNTY, IN	80.50	26.01	4.59	28.00	1.02	140.12
	JEFFERSON COUNTY, IN	4.88	17.36	2.45	285.00	7.37	317.06
	BULLITT COUNTY, KY	107.96	33.93	226.27	0.00	61.10	429.26
	JEFFERSON COUNTY, KY	639.95	596.96	30.44	2,481.90	739.84	4,489.09
		<b>945.67</b>	<b>718.63</b>	<b>268.79</b>	<b>2,794.90</b>	<b>1,388.91</b>	
GRAND TOTAL							<b>6,116.90</b>

**2025-Louisville Area Totals, All Sources (Tons Per Year)**

NO <sub>x</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	975.12	558.76	354.47	0.00	561.03	2,449.38
	FLOYD COUNTY, IN	726.78	176.87	283.29	2,744.00	0.20	3,931.14
	JEFFERSON COUNTY, IN	109.90	155.39	151.57	12,822.00	8.06	13,246.92
	BULLITT COUNTY, KY	948.69	276.40	57.85	0.00	256.11	1,539.05
	JEFFERSON COUNTY, KY	5,336.69	6,119.17	0.00	27,910.67	3,745.57	43,122.10
		<b>8,097.18</b>	<b>7,286.59</b>	<b>847.18</b>	<b>43,476.67</b>	<b>4,570.97</b>	
GRAND TOTAL							<b>64,278.59</b>

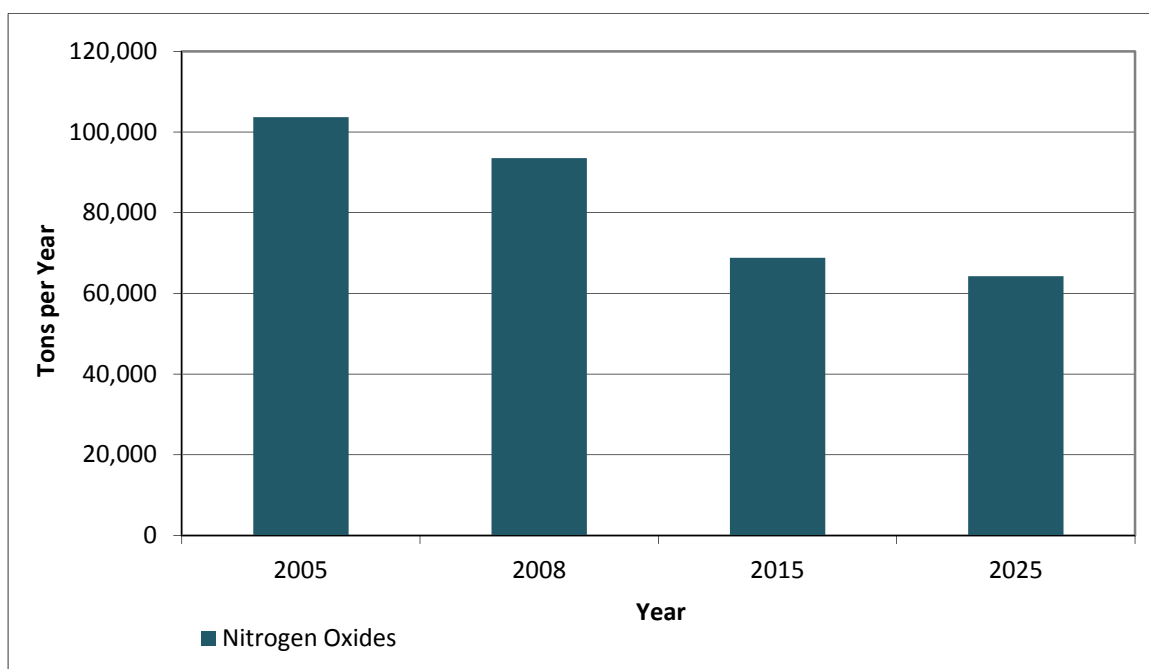
SO <sub>2</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	21.70	2.63	131.87	0.00	122.30	278.50
	FLOYD COUNTY, IN	15.30	1.62	107.49	5,660.62	0.00	27,327.41
	JEFFERSON COUNTY, IN	2.01	0.35	71.99	27,203.00	0.11	5,735.08
	BULLITT COUNTY, KY	16.33	0.16	48.97	0.00	387.03	452.49
	JEFFERSON COUNTY, KY	101.81	646.37	0.00	45,410.84	1,335.20	47,494.22
		157.15	651.13	360.32	78,274.46	1,844.64	
GRAND TOTAL							81,287.70

PM <sub>2.5</sub>		ONROAD	NONROAD	AREA	EGU	POINT	TOTAL
	CLARK COUNTY, IN	58.79	23.57	4.90	0.00	613.01	700.27
	FLOYD COUNTY, IN	45.02	13.50	4.50	28.00	0.18	91.20
	JEFFERSON COUNTY, IN	2.65	9.27	2.37	285.00	5.77	305.06
	BULLITT COUNTY, KY	54.78	20.83	217.86	0.00	66.62	360.09
	JEFFERSON COUNTY, KY	333.04	484.97	59.92	2,481.90	899.14	4,258.97
		494.28	552.14	289.55	2,794.90	1,584.72	
GRAND TOTAL							5,715.59

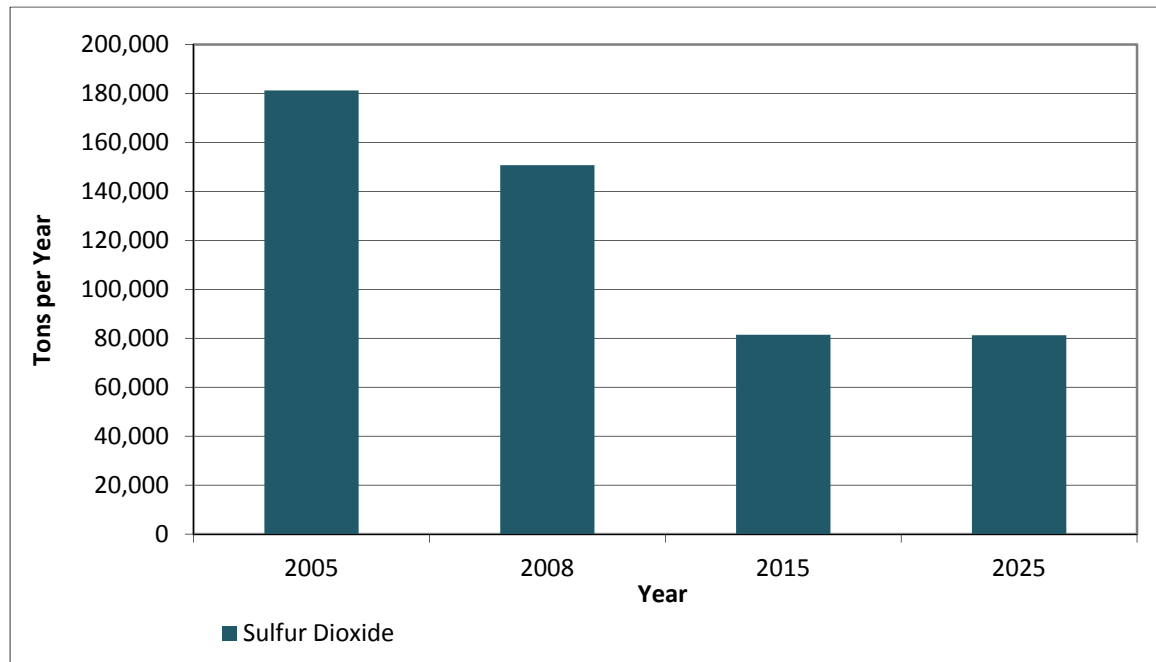
**Comparison of 2005 and 2008 Estimated and 2025 Projected NO<sub>x</sub>, SO<sub>2</sub>, and Direct PM<sub>2.5</sub> Emissions, Louisville Area (Tons per Year)**

	2008	2025	Change	% Change
NO <sub>x</sub>	93,547.53	64,278.59	-29,268.94	31.29% decrease
SO <sub>2</sub>	150,756.38	81,278.70	-69,468.68	46.08% decrease
Direct PM <sub>2.5</sub>	7,221.50	5,715.59	-1,505.91	20.85% decrease

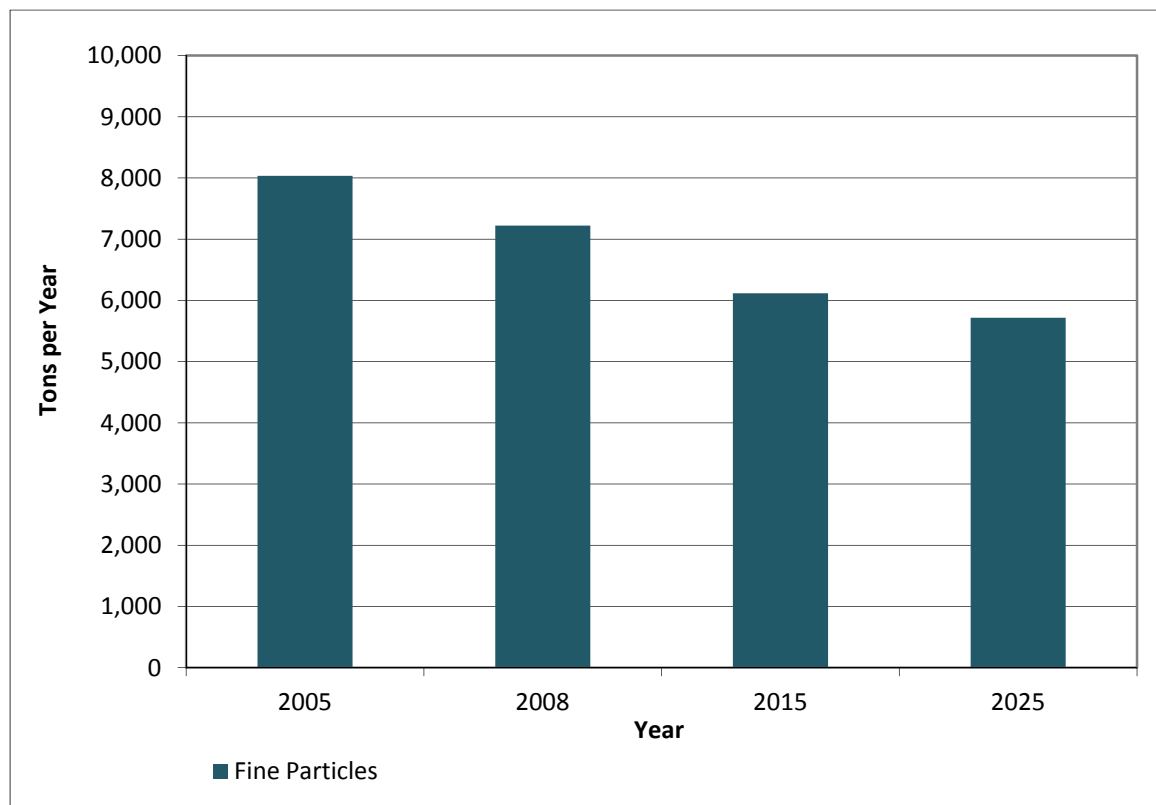
**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Projected NO<sub>x</sub> Emissions, Entire Louisville Area**



**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Projected SO<sub>2</sub> Emissions, Entire Louisville Area**



**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Projected Direct PM<sub>2.5</sub> Emissions, Entire Louisville Area**



**Comparison of 2005 and 2008 Estimated and 2015 and 2025 Projected NO<sub>x</sub>, SO<sub>2</sub>, and Direct PM<sub>2.5</sub> Emissions, Entire Louisville Area**

