

## 2015 Metrolina VOC Emissions

2015 - 12/11/09

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Cabarrus AM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.827	0
Rural Principal Arterial	44,921	48	0.590	0.684	0.596	27
Rural Minor Arterial	60,001	54	0.588	0.679	0.593	36
Rural Major Collector	93,254	37	0.645	0.755	0.652	61
Rural Minor Collector	68,409	38	0.638	0.746	0.644	44
Rural Local	124,269	27	0.699	0.819	0.706	88
Urban Interstate	317,711	41	0.601	0.694	0.607	193
Urban Other Freeway/Xprway	0	0	5.136	6.087	5.193	0
Urban Principal Arterial	196,004	27	0.709	0.837	0.717	140
Urban Minor Arterial	197,891	26	0.718	0.848	0.726	144
Urban Collector	155,815	25	0.727	0.859	0.735	115
Urban Local	223,019	25	0.726	0.856	0.734	164
<b>Cabarrus</b>	<b>1,481,293</b>		<b>94%</b>	<b>6%</b>		<b>1,010</b>
<b>Cabarrus Midday</b>						
Rural Interstate	0	0	4.779	5.584	4.827	0
Rural Principal Arterial	55,229	52	0.580	0.670	0.585	32
Rural Minor Arterial	65,997	60	0.579	0.664	0.584	39
Rural Major Collector	123,231	42	0.628	0.733	0.634	78
Rural Minor Collector	85,574	43	0.622	0.725	0.628	54
Rural Local	177,387	27	0.699	0.819	0.706	125
Urban Interstate	419,942	64	0.551	0.626	0.556	233
Urban Other Freeway/Xprway	0	0	5.136	6.087	5.193	0
Urban Principal Arterial	288,555	29	0.694	0.819	0.702	202
Urban Minor Arterial	309,958	28	0.701	0.828	0.709	220
Urban Collector	239,160	29	0.694	0.819	0.702	168
Urban Local	362,152	24	0.736	0.870	0.744	269
<b>Cabarrus</b>	<b>2,127,184</b>		<b>94%</b>	<b>6%</b>		<b>1,421</b>
<b>Cabarrus PM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.827	0
Rural Principal Arterial	50,433	47	0.593	0.687	0.599	30
Rural Minor Arterial	65,165	53	0.590	0.682	0.596	39
Rural Major Collector	105,380	35	0.653	0.765	0.660	70
Rural Minor Collector	84,454	38	0.638	0.746	0.644	54
Rural Local	148,252	28	0.691	0.809	0.698	103
Urban Interstate	339,238	36	0.620	0.718	0.626	212
Urban Other Freeway/Xprway	0	0	5.136	6.087	5.193	0
Urban Principal Arterial	230,191	24	0.737	0.872	0.745	172
Urban Minor Arterial	228,874	24	0.737	0.872	0.745	171
Urban Collector	188,615	23	0.748	0.887	0.756	143
Urban Local	265,038	24	0.736	0.870	0.744	197
<b>Cabarrus</b>	<b>1,705,639</b>		<b>94%</b>	<b>6%</b>		<b>1,191</b>
<b>Cabarrus Night</b>						
Rural Interstate	0	0	4.779	5.584	4.827	0
Rural Principal Arterial	33,450	55	0.573	0.660	0.578	19
Rural Minor Arterial	40,019	62	0.577	0.660	0.582	23
Rural Major Collector	70,327	50	0.605	0.703	0.611	43
Rural Minor Collector	43,723	47	0.610	0.710	0.616	27
Rural Local	94,807	27	0.699	0.819	0.706	67
Urban Interstate	234,113	68	0.550	0.625	0.555	130
Urban Other Freeway/Xprway	0	0	5.136	6.087	5.193	0
Urban Principal Arterial	165,596	39	0.642	0.753	0.649	107
Urban Minor Arterial	173,183	38	0.646	0.757	0.653	113
Urban Collector	111,317	37	0.650	0.762	0.657	73
Urban Local	175,438	26	0.717	0.845	0.725	127
<b>Cabarrus</b>	<b>1,141,973</b>		<b>94%</b>	<b>6%</b>		<b>730</b>
<b>Cabarrus 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	184,032					109
Rural Minor Arterial	231,182					136
Rural Major Collector	392,193					251
Rural Minor Collector	282,160					179
Rural Local	544,715					383
Urban Interstate	1,311,003					768
Urban Other Freeway/Xprway	0					0
Urban Principal Arterial	880,346					622
Urban Minor Arterial	909,906					647
Urban Collector	694,907					498
Urban Local	1,025,646					757
<b>Cabarrus</b>	<b>6,456,089</b>					<b>4,351</b>
			model kg / day	VOC		
			total model emissions			4,351
			emissions budget			6,941
			budget minus model			2,590

## 2015 Metrolina VOC Emissions

2015 - 12/11/09

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Gaston AM Peak</b>						
Rural Interstate	26,786	44	0.344	0.408	0.350	9
Rural Principal Arterial	63,727	51	0.351	0.420	0.357	23
Rural Minor Arterial	83,037	40	0.373	0.451	0.380	32
Rural Major Collector	92,890	38	0.381	0.463	0.388	36
Rural Minor Collector	44,007	40	0.375	0.455	0.382	17
Rural Local	82,137	28	0.409	0.496	0.417	34
Urban Interstate	563,105	45	0.352	0.421	0.358	202
Urban Other Freeway/Xprway	24,009	52	0.352	0.422	0.358	9
Urban Principal Arterial	267,213	31	0.403	0.493	0.411	110
Urban Minor Arterial	231,978	31	0.402	0.493	0.410	95
Urban Collector	60,822	29	0.410	0.503	0.418	25
Urban Local	225,526	24	0.435	0.533	0.444	100
<b>Gaston</b>	<b>1,765,237</b>		<b>91%</b>	<b>9%</b>		<b>692</b>
<b>Gaston Midday</b>						
Rural Interstate	32,727	61	0.327	0.382	0.332	11
Rural Principal Arterial	66,982	56	0.346	0.413	0.352	24
Rural Minor Arterial	102,749	48	0.360	0.433	0.367	38
Rural Major Collector	118,993	47	0.366	0.442	0.373	44
Rural Minor Collector	50,363	41	0.373	0.452	0.380	19
Rural Local	111,421	28	0.409	0.496	0.417	46
Urban Interstate	685,489	63	0.337	0.396	0.342	235
Urban Other Freeway/Xprway	28,857	55	0.349	0.418	0.355	10
Urban Principal Arterial	366,724	35	0.389	0.475	0.397	145
Urban Minor Arterial	331,527	35	0.389	0.475	0.397	132
Urban Collector	83,589	27	0.419	0.514	0.428	36
Urban Local	360,986	24	0.435	0.533	0.444	160
<b>Gaston</b>	<b>2,340,406</b>		<b>91%</b>	<b>9%</b>		<b>900</b>
<b>Gaston PM Peak</b>						
Rural Interstate	27,805	56	0.329	0.386	0.334	9
Rural Principal Arterial	68,521	55	0.347	0.414	0.353	24
Rural Minor Arterial	92,038	40	0.373	0.451	0.380	35
Rural Major Collector	104,933	38	0.381	0.463	0.388	41
Rural Minor Collector	52,442	40	0.375	0.455	0.382	20
Rural Local	99,164	29	0.404	0.491	0.412	41
Urban Interstate	614,913	45	0.352	0.421	0.358	220
Urban Other Freeway/Xprway	24,907	53	0.351	0.421	0.357	9
Urban Principal Arterial	310,702	30	0.407	0.498	0.415	129
Urban Minor Arterial	268,117	31	0.402	0.493	0.410	110
Urban Collector	73,985	22	0.449	0.553	0.458	34
Urban Local	265,652	24	0.435	0.533	0.444	118
<b>Gaston</b>	<b>2,003,181</b>		<b>91%</b>	<b>9%</b>		<b>790</b>
<b>Gaston Night</b>						
Rural Interstate	19,628	62	0.327	0.381	0.332	7
Rural Principal Arterial	40,419	58	0.346	0.411	0.352	14
Rural Minor Arterial	58,012	51	0.356	0.428	0.362	21
Rural Major Collector	71,423	51	0.361	0.435	0.368	26
Rural Minor Collector	26,681	41	0.373	0.452	0.380	10
Rural Local	60,009	28	0.409	0.496	0.417	25
Urban Interstate	415,693	64	0.337	0.395	0.342	142
Urban Other Freeway/Xprway	18,120	56	0.349	0.417	0.355	6
Urban Principal Arterial	204,845	40	0.380	0.462	0.387	79
Urban Minor Arterial	187,038	40	0.379	0.462	0.386	72
Urban Collector	44,929	33	0.395	0.483	0.403	18
Urban Local	190,005	24	0.435	0.533	0.444	84
<b>Gaston</b>	<b>1,336,799</b>		<b>91%</b>	<b>9%</b>		<b>506</b>
<b>Gaston 24 Hour</b>						
Rural Interstate	106,946					36
Rural Principal Arterial	239,650					85
Rural Minor Arterial	335,836					125
Rural Major Collector	388,239					147
Rural Minor Collector	173,493					66
Rural Local	352,730					147
Urban Interstate	2,279,200					799
Urban Other Freeway/Xprway	95,893					34
Urban Principal Arterial	1,149,484					464
Urban Minor Arterial	1,018,660					409
Urban Collector	263,324					113
Urban Local	1,042,169					463
<b>Gaston</b>	<b>7,445,624</b>					<b>2,888</b>
model kg / day VOC						
total model emissions						2,888
emissions budget						5,132
budget minus model						2,244

## 2015 Metrolina VOC Emissions

2015 - 12/11/09

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Iredell AM Peak</b>						
Rural Interstate	298,840	44	0.574	0.657	0.586	175
Rural Principal Arterial	0	0	5.082	6.015	5.213	0
Rural Minor Arterial	32,200	18	0.826	0.977	0.847	27
Rural Major Collector	59,872	30	0.683	0.804	0.700	42
Rural Minor Collector	54,836	27	0.703	0.827	0.720	40
Rural Local	155,185	27	0.699	0.819	0.716	111
Urban Interstate	0	0	4.961	5.840	5.084	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.269	0
Urban Principal Arterial	22,126	25	0.726	0.859	0.745	16
Urban Minor Arterial	37,949	22	0.760	0.902	0.780	30
Urban Collector	17,819	25	0.727	0.859	0.745	13
Urban Local	100,515	25	0.726	0.856	0.744	75
<b>Iredell</b>	<b>779,343</b>		<b>86%</b>	<b>14%</b>		<b>529</b>
<b>Iredell Midday</b>						
Rural Interstate	423,387	59	0.539	0.611	0.549	232
Rural Principal Arterial	0	0	5.082	6.015	5.213	0
Rural Minor Arterial	49,488	18	0.826	0.977	0.847	42
Rural Major Collector	86,005	33	0.664	0.779	0.680	58
Rural Minor Collector	74,839	29	0.687	0.808	0.704	53
Rural Local	238,883	28	0.691	0.809	0.708	169
Urban Interstate	0	0	4.961	5.840	5.084	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.269	0
Urban Principal Arterial	36,563	26	0.717	0.848	0.735	27
Urban Minor Arterial	59,764	24	0.737	0.872	0.756	45
Urban Collector	27,432	25	0.727	0.859	0.745	20
Urban Local	170,440	25	0.726	0.856	0.744	127
<b>Iredell</b>	<b>1,166,801</b>		<b>86%</b>	<b>14%</b>		<b>774</b>
<b>Iredell PM Peak</b>						
Rural Interstate	322,068	40	0.588	0.674	0.600	193
Rural Principal Arterial	0	0	5.082	6.015	5.213	0
Rural Minor Arterial	35,849	15	0.920	1.088	0.944	34
Rural Major Collector	66,533	27	0.705	0.831	0.723	48
Rural Minor Collector	61,972	28	0.695	0.817	0.712	44
Rural Local	181,185	27	0.699	0.819	0.716	130
Urban Interstate	0	0	4.961	5.840	5.084	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.269	0
Urban Principal Arterial	25,644	22	0.760	0.902	0.780	20
Urban Minor Arterial	42,313	20	0.788	0.938	0.809	34
Urban Collector	20,933	23	0.748	0.887	0.767	16
Urban Local	118,665	24	0.736	0.870	0.755	90
<b>Iredell</b>	<b>875,162</b>		<b>86%</b>	<b>14%</b>		<b>609</b>
<b>Iredell Night</b>						
Rural Interstate	236,300	68	0.533	0.601	0.543	128
Rural Principal Arterial	0	0	5.082	6.015	5.213	0
Rural Minor Arterial	29,152	34	0.651	0.762	0.667	19
Rural Major Collector	49,317	42	0.628	0.733	0.643	32
Rural Minor Collector	37,023	41	0.628	0.733	0.643	24
Rural Local	122,375	32	0.663	0.774	0.679	83
Urban Interstate	0	0	4.961	5.840	5.084	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.269	0
Urban Principal Arterial	18,645	34	0.662	0.779	0.678	13
Urban Minor Arterial	32,622	34	0.663	0.779	0.679	22
Urban Collector	11,374	32	0.675	0.794	0.692	8
Urban Local	80,411	27	0.708	0.835	0.726	58
<b>Iredell</b>	<b>617,219</b>		<b>86%</b>	<b>14%</b>		<b>387</b>
<b>Iredell 24 Hour</b>						
Rural Interstate	1,280,594					729
Rural Principal Arterial	0					0
Rural Minor Arterial	146,689					122
Rural Major Collector	261,727					180
Rural Minor Collector	228,670					160
Rural Local	697,628					493
Urban Interstate	0					0
Urban Other Freeway/Xprwy	0					0
Urban Principal Arterial	102,978					76
Urban Minor Arterial	172,649					131
Urban Collector	77,558					58
Urban Local	470,031					350
<b>Iredell</b>	<b>3,438,525</b>					<b>2,299</b>
model kg / day VOC						
total model emissions						2,299
emissions budget						3,601
budget minus model						1,302

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2015 - 12/11/09

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Lincoln AM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.803	0
Rural Principal Arterial	143,334	52	0.580	0.670	0.583	84
Rural Minor Arterial	101,695	35	0.646	0.755	0.649	66
Rural Major Collector	65,371	54	0.596	0.690	0.599	39
Rural Minor Collector	76,604	41	0.628	0.733	0.631	48
Rural Local	163,131	28	0.691	0.809	0.695	113
Urban Interstate	0	0	4.961	5.840	4.987	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.165	0
Urban Principal Arterial	23,117	39	0.642	0.753	0.645	15
Urban Minor Arterial	12,673	20	0.788	0.938	0.793	10
Urban Collector	6,191	24	0.737	0.873	0.741	5
Urban Local	41,673	25	0.726	0.856	0.730	30
Lincoln	633,788		97%	3%		410
<b>Lincoln Midday</b>						
Rural Interstate	0	0	4.779	5.584	4.803	0
Rural Principal Arterial	182,971	56	0.572	0.658	0.575	105
Rural Minor Arterial	147,702	39	0.630	0.735	0.633	94
Rural Major Collector	82,914	56	0.592	0.684	0.595	49
Rural Minor Collector	89,577	45	0.616	0.718	0.619	55
Rural Local	232,359	28	0.691	0.809	0.695	161
Urban Interstate	0	0	4.961	5.840	4.987	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.165	0
Urban Principal Arterial	32,229	39	0.642	0.753	0.645	21
Urban Minor Arterial	18,849	23	0.748	0.886	0.752	14
Urban Collector	8,649	29	0.694	0.819	0.698	6
Urban Local	67,092	25	0.726	0.856	0.730	49
Lincoln	862,342		97%	3%		555
<b>Lincoln PM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.803	0
Rural Principal Arterial	155,020	50	0.585	0.677	0.588	91
Rural Minor Arterial	110,092	33	0.657	0.769	0.660	73
Rural Major Collector	73,385	53	0.598	0.693	0.601	44
Rural Minor Collector	86,388	42	0.625	0.729	0.628	54
Rural Local	189,195	28	0.691	0.809	0.695	131
Urban Interstate	0	0	4.961	5.840	4.987	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.165	0
Urban Principal Arterial	25,619	37	0.649	0.762	0.652	17
Urban Minor Arterial	13,817	18	0.835	0.994	0.840	12
Urban Collector	7,177	25	0.727	0.859	0.731	5
Urban Local	48,953	25	0.726	0.856	0.730	36
Lincoln	709,646		97%	3%		463
<b>Lincoln Night</b>						
Rural Interstate	0	0	4.779	5.584	4.803	0
Rural Principal Arterial	98,014	60	0.566	0.649	0.568	56
Rural Minor Arterial	93,760	48	0.603	0.699	0.606	57
Rural Major Collector	47,292	57	0.590	0.682	0.593	28
Rural Minor Collector	46,577	48	0.607	0.706	0.610	28
Rural Local	122,806	28	0.691	0.809	0.695	85
Urban Interstate	0	0	4.961	5.840	4.987	0
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.165	0
Urban Principal Arterial	18,994	47	0.618	0.721	0.621	12
Urban Minor Arterial	9,926	29	0.694	0.819	0.698	7
Urban Collector	4,531	33	0.669	0.786	0.673	3
Urban Local	35,653	25	0.726	0.856	0.730	26
Lincoln	477,553		97%	3%		302
<b>Lincoln 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	579,339					335
Rural Minor Arterial	453,249					289
Rural Major Collector	268,962					161
Rural Minor Collector	299,146					186
Rural Local	707,492					491
Urban Interstate	0					0
Urban Other Freeway/Xprwy	0					0
Urban Principal Arterial	99,959					64
Urban Minor Arterial	55,264					43
Urban Collector	26,547					19
Urban Local	193,370					141
Lincoln	2,683,328					
			model kg / day	VOC		1,730
			total model emissions			1,730
			emissions budget			2,726
			budget minus model			996

## 2015 Metrolina VOC Emissions

2015 - 12/11/09

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Mecklenburg AM Peak</b>						
Rural Principal Arterial	44,478	34	0.396	0.479	0.404	18
Rural Minor Arterial	32,648	21	0.468	0.572	0.478	16
Rural Major Collector	4,663	26	0.437	0.535	0.447	2
Rural Minor Collector	50,158	35	0.399	0.486	0.408	20
Rural Local	101,020	29	0.418	0.507	0.427	43
Urban Interstate	1,594,496	42	0.370	0.444	0.377	602
Urban Other Freeway/Xprway	1,674,134	50	0.368	0.443	0.376	629
Urban Principal Arterial	1,054,461	23	0.457	0.562	0.468	493
Urban Minor Arterial	1,127,815	24	0.450	0.553	0.460	519
Urban Collector	948,502	21	0.471	0.581	0.482	457
Urban Local	1,576,746	22	0.462	0.568	0.473	745
Urban HOV	46,220	66	0.361	0.435	0.368	17
Mecklenburg	8,255,340		90%	10%		3,561
<b>Mecklenburg Midday</b>						
Rural Principal Arterial	55,934	43	0.376	0.453	0.384	21
Rural Minor Arterial	45,304	27	0.428	0.522	0.437	20
Rural Major Collector	6,803	33	0.407	0.497	0.416	3
Rural Minor Collector	64,871	40	0.389	0.472	0.397	26
Rural Local	143,575	29	0.418	0.507	0.427	61
Urban Interstate	2,199,060	55	0.352	0.418	0.359	789
Urban Other Freeway/Xprway	1,936,456	58	0.362	0.432	0.369	715
Urban Principal Arterial	1,584,778	27	0.434	0.533	0.444	703
Urban Minor Arterial	1,720,564	27	0.434	0.532	0.444	764
Urban Collector	1,416,177	26	0.438	0.538	0.448	634
Urban Local	2,531,313	22	0.462	0.568	0.473	1,196
Urban HOV	39,450	67	0.361	0.435	0.368	15
Mecklenburg	11,744,285		90%	10%		4,947
<b>Mecklenburg PM Peak</b>						
Rural Principal Arterial	49,064	35	0.393	0.475	0.401	20
Rural Minor Arterial	37,168	23	0.453	0.552	0.463	17
Rural Major Collector	5,104	28	0.427	0.523	0.437	2
Rural Minor Collector	62,618	34	0.402	0.490	0.411	26
Rural Local	122,672	29	0.418	0.507	0.427	52
Urban Interstate	1,750,337	39	0.376	0.451	0.384	671
Urban Other Freeway/Xprway	1,905,664	49	0.369	0.445	0.377	718
Urban Principal Arterial	1,221,504	21	0.472	0.582	0.483	590
Urban Minor Arterial	1,326,568	22	0.464	0.571	0.475	630
Urban Collector	1,101,997	20	0.480	0.592	0.491	541
Urban Local	1,879,190	20	0.479	0.590	0.490	921
Urban HOV	45,273	67	0.361	0.435	0.368	17
Mecklenburg	9,507,157		90%	10%		4,205
<b>Mecklenburg Night</b>						
Rural Principal Arterial	33,115	49	0.367	0.440	0.374	12
Rural Minor Arterial	29,639	40	0.386	0.468	0.394	12
Rural Major Collector	3,841	40	0.391	0.475	0.399	2
Rural Minor Collector	31,082	45	0.380	0.461	0.388	12
Rural Local	68,616	29	0.418	0.507	0.427	29
Urban Interstate	1,314,098	62	0.350	0.412	0.356	468
Urban Other Freeway/Xprway	1,027,086	61	0.361	0.429	0.368	378
Urban Principal Arterial	878,386	37	0.399	0.488	0.408	358
Urban Minor Arterial	936,279	37	0.399	0.487	0.408	382
Urban Collector	749,398	35	0.403	0.493	0.412	309
Urban Local	1,213,481	24	0.449	0.550	0.459	557
Urban HOV	0	0	2.859	3.481	2.921	0
Mecklenburg	6,285,021		90%	10%		2,519
<b>Mecklenburg 24 Hour</b>						
Rural Principal Arterial	182,590					72
Rural Minor Arterial	144,759					64
Rural Major Collector	20,411					9
Rural Minor Collector	208,728					84
Rural Local	435,884					186
Urban Interstate	6,857,990					2,530
Urban Other Freeway/Xprway	6,543,340					2,439
Urban Principal Arterial	4,739,130					2,145
Urban Minor Arterial	5,111,225					2,294
Urban Collector	4,216,074					1,942
Urban Local	7,200,729					3,420
Urban HOV	130,943					48
Mecklenburg	35,791,802		model kg / day	VOC		15,231
			total model emissions			15,231
			emissions budget			26,368
			budget minus model			11,137

## 2015 Metrolina VOC Emissions

2015 - 12/11/09

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Rowan AM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.835	0
Rural Principal Arterial	42,587	53	0.578	0.667	0.584	25
Rural Minor Arterial	24,625	54	0.588	0.679	0.594	15
Rural Major Collector	139,236	49	0.608	0.707	0.615	86
Rural Minor Collector	93,645	45	0.616	0.718	0.623	58
Rural Local	120,847	28	0.691	0.809	0.699	85
Urban Interstate	359,027	57	0.559	0.639	0.565	203
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.203	0
Urban Principal Arterial	102,041	34	0.662	0.779	0.670	68
Urban Minor Arterial	177,974	36	0.653	0.767	0.661	118
Urban Collector	108,274	31	0.681	0.802	0.689	75
Urban Local	179,725	25	0.726	0.856	0.735	132
Rowan	1,347,980		93%	7%		863
<b>Rowan Midday</b>						
Rural Interstate	0	0	4.779	5.584	4.835	0
Rural Principal Arterial	53,528	58	0.569	0.653	0.575	31
Rural Minor Arterial	32,107	58	0.581	0.668	0.587	19
Rural Major Collector	163,032	54	0.596	0.690	0.603	98
Rural Minor Collector	108,147	48	0.607	0.706	0.614	66
Rural Local	166,496	28	0.691	0.809	0.699	116
Urban Interstate	433,999	60	0.555	0.633	0.560	243
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.203	0
Urban Principal Arterial	144,725	35	0.657	0.772	0.665	96
Urban Minor Arterial	263,344	37	0.649	0.762	0.657	173
Urban Collector	148,565	28	0.702	0.828	0.711	106
Urban Local	284,433	25	0.726	0.856	0.735	209
Rowan	1,798,378		93%	7%		1,158
<b>Rowan PM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.835	0
Rural Principal Arterial	47,003	53	0.578	0.667	0.584	27
Rural Minor Arterial	27,527	52	0.592	0.685	0.599	16
Rural Major Collector	150,763	49	0.608	0.707	0.615	93
Rural Minor Collector	107,344	44	0.619	0.721	0.626	67
Rural Local	137,880	28	0.691	0.809	0.699	96
Urban Interstate	385,013	57	0.559	0.639	0.565	217
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.203	0
Urban Principal Arterial	115,668	32	0.674	0.794	0.682	79
Urban Minor Arterial	202,631	34	0.663	0.779	0.671	136
Urban Collector	129,111	26	0.718	0.848	0.727	94
Urban Local	212,117	25	0.726	0.856	0.735	156
Rowan	1,515,057		93%	7%		982
<b>Rowan Night</b>						
Rural Interstate	0	0	4.779	5.584	4.835	0
Rural Principal Arterial	28,994	60	0.566	0.649	0.572	17
Rural Minor Arterial	18,347	60	0.579	0.664	0.585	11
Rural Major Collector	103,109	57	0.590	0.682	0.596	61
Rural Minor Collector	57,098	49	0.605	0.702	0.612	35
Rural Local	93,355	28	0.691	0.809	0.699	65
Urban Interstate	245,154	61	0.554	0.631	0.559	137
Urban Other Freeway/Xprwy	0	0	5.136	6.087	5.203	0
Urban Principal Arterial	78,615	43	0.629	0.736	0.636	50
Urban Minor Arterial	155,877	43	0.630	0.736	0.637	99
Urban Collector	73,594	36	0.654	0.767	0.662	49
Urban Local	144,169	25	0.726	0.856	0.735	106
Rowan	998,312		93%	7%		630
<b>Rowan 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	172,112					100
Rural Minor Arterial	102,606					61
Rural Major Collector	556,139					338
Rural Minor Collector	366,234					227
Rural Local	518,579					363
Urban Interstate	1,423,193					800
Urban Other Freeway/Xprwy	0					0
Urban Principal Arterial	441,050					294
Urban Minor Arterial	799,825					526
Urban Collector	459,544					323
Urban Local	820,444					603
Rowan	5,659,728		model kg / day	VOC		3,634
total model emissions						3,634
emissions budget						6,149
budget minus model						2,515

## 2015 Metrolina VOC Emissions

2015 - 12/11/09

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Union AM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.868	0
Rural Principal Arterial	158,814	51	0.583	0.673	0.593	94
Rural Minor Arterial	25,083	52	0.592	0.685	0.602	15
Rural Major Collector	222,771	41	0.631	0.737	0.643	143
Rural Minor Collector	97,538	41	0.628	0.733	0.640	62
Rural Local	313,863	30	0.676	0.791	0.689	216
Urban Interstate	0	0	4.961	5.840	5.058	0
Urban Other Freeway/Xprway	62,743	46	0.601	0.698	0.612	38
Urban Principal Arterial	136,308	35	0.657	0.772	0.670	91
Urban Minor Arterial	165,870	28	0.701	0.828	0.715	119
Urban Collector	69,375	31	0.681	0.802	0.694	48
Urban Local	249,058	26	0.717	0.845	0.731	182
Union	1,501,423		89%	11%		1,009
<b>Union Midday</b>						
Rural Interstate	0	0	4.779	5.584	4.868	0
Rural Principal Arterial	176,963	52	0.580	0.670	0.590	104
Rural Minor Arterial	32,775	54	0.588	0.679	0.598	20
Rural Major Collector	310,105	44	0.622	0.725	0.633	196
Rural Minor Collector	129,017	44	0.619	0.721	0.630	81
Rural Local	438,810	30	0.676	0.791	0.689	302
Urban Interstate	0	0	4.961	5.840	5.058	0
Urban Other Freeway/Xprway	67,272	54	0.580	0.670	0.590	40
Urban Principal Arterial	203,388	38	0.646	0.757	0.658	134
Urban Minor Arterial	245,096	32	0.674	0.794	0.687	168
Urban Collector	100,285	35	0.658	0.772	0.671	67
Urban Local	384,986	27	0.708	0.835	0.722	278
Union	2,088,698		89%	11%		1,391
<b>Union PM Peak</b>						
Rural Interstate	0	0	4.779	5.584	4.868	0
Rural Principal Arterial	175,744	50	0.585	0.677	0.595	105
Rural Minor Arterial	28,521	50	0.597	0.692	0.607	17
Rural Major Collector	249,288	41	0.631	0.737	0.643	160
Rural Minor Collector	113,352	40	0.631	0.737	0.643	73
Rural Local	362,081	30	0.676	0.791	0.689	249
Urban Interstate	0	0	4.961	5.840	5.058	0
Urban Other Freeway/Xprway	66,339	52	0.585	0.676	0.595	39
Urban Principal Arterial	153,719	33	0.668	0.786	0.681	105
Urban Minor Arterial	189,322	26	0.718	0.848	0.732	139
Urban Collector	79,984	29	0.694	0.819	0.708	57
Urban Local	291,958	25	0.726	0.856	0.740	216
Union	1,710,308		89%	11%		1,160
<b>Union Night</b>						
Rural Interstate	0	0	4.779	5.584	4.868	0
Rural Principal Arterial	92,436	53	0.578	0.667	0.588	54
Rural Minor Arterial	19,537	57	0.583	0.671	0.593	12
Rural Major Collector	180,075	49	0.608	0.707	0.619	111
Rural Minor Collector	66,390	46	0.613	0.714	0.624	41
Rural Local	226,153	30	0.676	0.791	0.689	156
Urban Interstate	0	0	4.961	5.840	5.058	0
Urban Other Freeway/Xprway	34,002	54	0.580	0.670	0.590	20
Urban Principal Arterial	116,435	44	0.627	0.732	0.639	74
Urban Minor Arterial	147,455	40	0.639	0.748	0.651	96
Urban Collector	50,284	41	0.636	0.745	0.648	33
Urban Local	201,122	29	0.693	0.816	0.707	142
Union	1,133,890		89%	11%		740
<b>Union 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	603,958					357
Rural Minor Arterial	105,916					64
Rural Major Collector	962,239					611
Rural Minor Collector	406,297					258
Rural Local	1,340,906					923
Urban Interstate	0					0
Urban Other Freeway/Xprway	230,356					138
Urban Principal Arterial	609,851					404
Urban Minor Arterial	747,744					522
Urban Collector	299,927					205
Urban Local	1,127,125					818
Union	6,434,319		model kg / day VOC			4,300
total model emissions						4,300
emissions budget						6,299
budget minus model						1,999