

Title : Santa Cruz County Subarea Annual CYr 2010  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2009/06/12 15:58:04  
 Scen Year: 2010 -- All model years in the range 1966 to 2010 selected  
 Season : Annual  
 Area : Santa Cruz County  
 I/M Stat : Enhanced Basic (2005)

**Emissions: CO2e kilo-metric Tons/Yr**

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	LDA-NCA	LDA-CAT	LDA-DSL	LDA-TOT	LDT1-NC	LDT1-CAT
Vehicles	1951	103967	840	106758	1092	40555
VMT/1000	29	3192	19	3240	20	1215
Trips	7711	648523	4679	660913	4409	248872

**Methane Emissions**

Run Exh	0.01	0.12	0	0.13	0.01	0.07
Idle Exh	0	0	0	0	0	0
Start Ex	0	0.03	0	0.03	0	0.02
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Total Ex	0.01	0.15	0	0.16	0.01	0.08
Diurnal	0	0	0	0	0	0
Hot Soak	0	0	0	0	0	0
Running	0	0	0	0	0	0
Resting	0	0	0	0	0	0
<hr/>						
<b>CH4 Total (TPD)</b>	<b>0.01</b>	<b>0.15</b>	<b>0</b>	<b>0.16</b>	<b>0.01</b>	<b>0.08</b>
<b>CH4 Total Ex (CO2e kilo-metric Tons/Y)</b>	<b>0.07</b>	<b>1.04</b>	<b>0.00</b>	<b>1.11</b>	<b>0.07</b>	<b>0.56</b>

**Carbon Dioxide Emissions (000)**

Run Exh	0.02	1.26	0.01	1.28	0.01	0.59
Idle Exh	0	0	0	0	0	0
Start Ex	0	0.05	0	0.05	0	0.02
<hr/>						
<b>CO2 Total Ex (kilo TPD)</b>	<b>0.02</b>	<b>1.31</b>	<b>0.01</b>	<b>1.33</b>	<b>0.01</b>	<b>0.61</b>
<b>CO2 Total Ex (CO2e kilo-metric Tons/Y)</b>	<b>6.62</b>	<b>433.70</b>	<b>3.31</b>	<b>440.32</b>	<b>3.31</b>	<b>201.95</b>

**N2O (~2.4% of CO2 above)**

CO2 to N2O Scalar by Vehicle Class (CO:	0.0259	0.0259	0.0083		0.0263	0.0263
<b>N2O Total Ex (CO2e kilo-metric Tons/Y)</b>	<b>0.17</b>	<b>11.23</b>	<b>0.03</b>	<b>11.43</b>	<b>0.09</b>	<b>5.31</b>

**GRAND TOTAL (CO2e kilo-metri 6.86 445.97 3.34 452.86 3.47 207.82**

LBS CO2e per Vehicle per Year	7,756	9,458	8,768	9,354	7,001	11,299
<b>LBS CO2e per VMT</b>	<b>1.43</b>	<b>0.84</b>	<b>1.06</b>	<b>0.84</b>	<b>1.05</b>	<b>1.03</b>
LBS CO2e per Trip	5.4	4.2	4.3	4.1	4.8	5.0
gm CO2e/mi	649	383	482	383	475	469

**Fuel Consumption (000 gallons)**

Gasoline	2.24	136.88	0	139.12	1.55	64.88
Diesel	0	0	0.66	0.66	0	0

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**LDT1-DSL LDT1-TOT LDT2-NCA LDT2-CAT LDT2-DSL LDT2-TOT MDV-NCA MDV-CAT MDV-DSL MDV-TOT**

1927	43573	465	44392	193	45050	116	15418	93	15627
54	1289	9	1462	5	1476	2	558	3	563
11730	265012	1886	278397	1141	281424	492	97472	569	98532

0	0.07	0	0.06	0	0.07	0	0.03	0	0.03
0	0	0	0	0	0	0	0	0	0
0	0.02	0	0.01	0	0.02	0	0.01	0	0.01

0	0.09	0	0.08	0	0.08	0	0.03	0	0.03
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

0	0.09	0	0.08	0	0.08	0	0.03	0	0.03
<b>0.00</b>	<b>0.63</b>	<b>0.00</b>	<b>0.56</b>	<b>0.00</b>	<b>0.56</b>	<b>0.00</b>	<b>0.21</b>	<b>0.00</b>	<b>0.21</b>

0.02	0.62	0	0.71	0	0.72	0	0.37	0	0.37
0	0	0	0	0	0	0	0	0	0
0	0.03	0	0.03	0	0.03	0	0.01	0	0.01

0.02	0.65	0.01	0.74	0	0.75	0	0.39	0	0.39
<b>6.62</b>	<b>215.19</b>	<b>3.31</b>	<b>244.99</b>	<b>0.00</b>	<b>248.30</b>	<b>0.00</b>	<b>129.12</b>	<b>0.00</b>	<b>129.12</b>

0.0104		0.0263	0.0263	0.0104		0.0263	0.0263	0.0104	
<b>0.07</b>	<b>5.47</b>	<b>0.09</b>	<b>6.44</b>	<b>0.00</b>	<b>6.53</b>	<b>0.00</b>	<b>3.40</b>	<b>0.00</b>	<b>3.40</b>

<b>6.69</b>	<b>221.29</b>	<b>3.40</b>	<b>251.99</b>	<b>0.00</b>	<b>255.39</b>	<b>0.00</b>	<b>132.72</b>	<b>0.00</b>	<b>132.72</b>
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7,655	11,198	16,112	12,517	0	12,500	0	18,981	0	18,727
<b>0.75</b>	<b>1.04</b>	<b>2.28</b>	<b>1.04</b>	<b>0.00</b>	<b>1.05</b>	<b>0.00</b>	<b>1.44</b>	<b>0.00</b>	<b>1.42</b>
3.4	5.0	10.9	5.5	0.0	5.5	0.0	8.2	0.0	8.1
340	471	1035	473	0	475	0	652	0	647

0	66.43	0.66	77.43	0	78.09	0.23	40.05	0	40.29
1.87	1.87	0	0	0.18	0.18	0	0	0.1	0.1

LHDT1-NC LHDT1-CA LHDT1-DS **LHDT1-TC** LHDT2-NC LHDT2-CA LHDT2-DS **LHDT2-TC** MHDT-NC MHDT-CA

32 1947 799 2778 19 1006 869 1894 134 531  
 1 82 34 117 0 37 32 69 1 18  
 1059 64369 10054 75482 630 33264 10934 44828 6114 24246

0 0 0 0 0 0 0 0 0 0  
 0 0 0 0 0 0 0 0 0 0  
 0 0 0 0 0 0 0 0 0.01 0

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 0 0.01 0 0.01 0 0 0 0.01 0.01 0

0 0 0 0 0 0 0 0 0 0  
 0 0 0 0 0 0 0 0 0 0  
 0 0 0 0 0 0 0 0 0 0  
 0 0 0 0 0 0 0 0 0 0

-----  
 0 0.01 0 0.01 0 0 0 0.01 0.01 0  
**0.00 0.07 0.00 0.07 0.00 0.00 0.00 0.07 0.07 0.00**

0 0.09 0.02 0.11 0 0.04 0.02 0.06 0 0.01  
 0 0 0 0 0 0 0 0 0 0  
 0 0 0 0 0 0 0 0 0 0

-----  
 0 0.09 0.02 0.11 0 0.04 0.02 0.06 0 0.02  
**0.00 29.80 6.62 36.42 0.00 13.24 6.62 19.86 0.00 6.62**

0.053 0.053 0.0101 0.053 0.053 0.0101 0.053 0.053  
**0.00 1.58 0.07 1.65 0.00 0.70 0.07 0.77 0.00 0.35**

**0.00 31.44 6.69 38.13 0.00 13.94 6.69 20.70 0.07 6.97**

0 35,611 18,457 30,267 0 30,564 16,971 24,102 1,144 28,953  
**0.00 2.32 1.19 1.97 0.00 2.28 1.26 1.81 0.42 2.34**  
 0.0 3.0 4.0 3.1 0.0 2.5 3.7 2.8 0.1 1.7  
 0 1052 540 894 0 1034 573 823 191 1062

0.13	9.53	0	9.65	0.07	4.31	0	4.38	0.34	1.76
0	0	1.75	1.75	0	0	1.72	1.72	0	0

MHDT-DS | MHDT-TO | HHDT-NC | HHDT-CA | HHDT-DS | HHDT-TO | OBUS-NC | OBUS-CA | OBUS-DS | OBUS-TO

1731	2396	6	94	220	320	2	86	28	116
88	108	0	6	35	41	0	3	1	5
48542	78902	282	4282	1113	5677	113	3913	772	4798

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.01	0	0	0	0	0	0	0	0

0	0.01	0	0	0	0.01	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

0	0.01	0	0	0	0.01	0	0	0	0
0.00	0.07	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00

0.15	0.16	0	0	0.07	0.07	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

0.15	0.16	0	0	0.07	0.08	0	0	0	0
49.66	52.97	0.00	0.00	23.17	26.49	0.00	0.00	0.00	0.00

0.0101		0.053	0.053	0.0101		0.053	0.053	0.0101	
0.50	0.85	0.00	0.00	0.23	0.23	0.00	0.00	0.00	0.00

50.16	53.89	0.00	0.00	23.41	26.79	0.00	0.00	0.00	0.00
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63,897	49,596	0	0	234,619	184,592	0	0	0	0
3.44	3.01	0.00	0.00	4.04	3.95	0	0.00	0.00	0.00
6.2	4.1	0.0	0.0	127.1	28.5	0.0	0.0	0.0	0.0
1563	1369	0	0	1834	1792	0	0	0	0

0	2.1	0.03	0.5	0	0.53	0.01	0.31	0	0.32
13.25	13.25	0	0	6.63	6.63	0	0	0.18	0.18

SBUS-NC.	SBUS-CA'	SBUS-DSI	SBUS-TO'	UB-NCAT	UB-CAT	UB-DSL	UB-TOT	MH-NCAT	MH-CAT
6	50	161	217	1	36	157	193	177	2467
0	2	6	9	0	4	18	23	2	28
24	199	644	868	4	142	626	773	18	247

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

0	0	0.01	0.01	0	0	0.05	0.06	0	0.02
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0.01	0.01	0	0	0.05	0.06	0	0.02
<b>0.00</b>	<b>0.00</b>	<b>3.31</b>	<b>3.31</b>	<b>0.00</b>	<b>0.00</b>	<b>16.55</b>	<b>19.86</b>	<b>0.00</b>	<b>6.62</b>

0.053	0.053	0.0101		0.053	0.053	0.0101		0.053	0.053
<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.17</b>	<b>0.17</b>	<b>0.00</b>	<b>0.35</b>
<b>0.00</b>	<b>0.00</b>	<b>3.34</b>	<b>3.34</b>	<b>0.00</b>	<b>0.00</b>	<b>16.72</b>	<b>20.03</b>	<b>0.00</b>	<b>6.97</b>

0	0	45,800	33,980	0	0	234,832	228,853	0	6,232
<b>0.00</b>	<b>0.00</b>	<b>3.37</b>	<b>2.24</b>	<b>0.00</b>	<b>0.00</b>	<b>5.61</b>	<b>5.26</b>	<b>0.00</b>	<b>1.50</b>
0.0	0.0	31.4	23.3	0.0	0.0	161.4	156.5	0.0	170.5
0	0	1529	1019	0	0	2548	2389	0	683

0.03	0.19	0	0.23	0.02	0.36	0	0.37	0.17	2.22
0	0	0.98	0.98	0	0	4.87	4.87	0	0

MH-DSL	MH-TOT	MCY-NCA	MCY-CAT	MCY-DSL	MCY-TOT	ALL-TOT
276	2921	7841	3625	0	11465	233308
3	33	54	33	0	87	7058
28	292	15680	7248	0	22928	1540430
0	0	0.01	0.01	0	0.02	0.34
0	0	0	0	0	0	0
0	0	0	0	0	0	0.09
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0	0	0.02	0.01	0	0.03	0.43
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0.02	0.01	0	0.03	0.43
0.00	0.00	0.14	0.07	0.00	0.21	2.99
0.01	0.03	0.01	0.01	0	0.01	3.51
0	0	0	0	0	0	0.01
0	0	0	0	0	0	0.13
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0.01	0.03	0.01	0.01	0	0.01	3.65
3.31	9.93	3.31	3.31	0.00	3.31	1,208.39
0.0101		0.0817	0.0817	0		
0.03	0.38	0.27	0.27	0.00	0.54	31.45
3.34	10.32	3.72	3.65	0.00	4.06	1,242.83
26,716	7,788	1,046	2,221	0	781	11,746
6.73	1.89	0.42	0.67	0.00	0.28	1.06
721.5	213.4	1.4	3.0	0.0	1.1	4.9
3057	857	189	303	0	128	483

0	2.39	1.3	0.74	0	2.04	345.93
0.48	0.48	0	0	0	0	32.68