

Temperature and RH data by city

North Coast Air Basin

City	Temperature (F)			
	Ave Max	Ave Min	Ann Ave Max	Ann Ave Min
Willits 1 NE	85.3	32.5	69	38.9
Willits Howard Rd	88.1	30.5	66.5	40.7
Ukiah	93	35.6	73.9	43.7
Cloverdale	93.8	37.5	74.1	45.4
Healdsburg	88.9	38	73.9	46
Averages	90	35	71.5	42.9

Bay Air Basin

City	Temperature (F)			
	Ave Max	Ave Min	Ann Ave Max	Ann Ave Min
Santa Rosa	83.2	37	71.7	44.5
Petaluma	82.4	38	70.6	45.2
Sonoma	89.4	37	74	44
Averages	85	37	72.1	44.6

In accordance with BAAQMD CEQA Guidance recommended temperature basis, the Mean Summer Max for all pollutants except CO, and Mean Winter Minimum for CO, will be applied for evaluating emissions through EMFAC2007.

EMFAC2007 Output by Air Basin using above Temperatures

AUTOMOBILE IDLING EMISSIONS AT TRAIN CROSSINGS (gr/idle-hr)

Compound	NORTH COAST AIR BASIN				BAY AREA AIR BASIN			
	2009		2033		2009		2033	
	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter
THC	1.284	1.363	1.025	1.061	0.608	0.635	0.474	0.487
ROG	1.443	1.543	1.107	1.153	0.670	0.704	0.512	0.529
CO	6.729	8.426	6.156	7.286	3.522	4.094	3.087	3.507
NOx	8.308	7.822	7.289	6.855	3.687	3.523	3.576	3.415
SOx	0.006	0.006	0.005	0.005	0.003	0.003	0.003	0.002
PM-10	0.121	0.16	0.026	0.028	0.051	0.064	0.019	0.02
PM-2.5	0.112	0.147	0.024	0.026	0.047	0.059	0.017	0.018
CO2	622.567	574.777	532.758	495.161	292.276	276.206	270.912	256.961
CH4	0.064	0.069	0.048	0.05	0.030	0.031	0.023	0.023

HEAVY HEAVY DUTY TRUCK TRAVELING EMISSIONS (45MPH) (gr/mi)

Compound	NORTH COAST AIR BASIN				BAY AREA AIR BASIN			
	2009		2033		2009		2033	
	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter
THC	0.582	0.583	0.147	0.147	0.623	0.616	0.150	0.150
ROG	0.719	0.720	0.184	0.184	0.755	0.748	0.188	0.188
CO	4.875	5.081	1.238	1.213	5.176	5.164	1.257	1.233
NOx	12.972	16.459	1.729	2.198	13.647	16.642	1.852	2.247
SOx	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
PM-10	0.472	0.472	0.083	0.083	0.466	0.466	0.085	0.085
PM-2.5	0.434	0.434	0.076	0.076	0.429	0.429	0.078	0.078
CO2	1674.584	1674.584	1688.213	1688.213	1633.316	1633.316	1687.160	1687.160
CH4	0.035	0.035	0.009	0.009	0.04	0.039	0.010	0.010