

Table heading: Modeling Domain
Temporally and Spatially Adjusted
Point Emissions Summary by Non-Attainment Area
Tons/Average Episode Day

This table shows county totals of point source emissions for each pollutant of interest. Units are in tons per average episode day, and the information is organized into groups of county totals approximating each of the PM_{2.5} nonattainment areas within the modeling domain. For instance, the box labeled Provo, UT nonattainment would include all point sources within the county. In actuality, the nonattainment area includes only a portion of Utah County. Point sources listed within the box labeled Surrounding Areas are located in counties belonging, at least in part, to the modeling domain but not extending into any of the three PM_{2.5} nonattainment Areas. All of these sources are located within the modeling domain. All annual point source emissions were temporally adjusted within the SMOKE pre-processor. For Episode 3, the annual totals used were generally compiled as an average of 2009 and 2010. Subtotals for each of the regions within the domain are compared, below the last box, in terms of both emission rates and percentages.

Modeling Domain
Temporally and Spatially Adjusted
Episode 3: 12/8/2009 - 1/22/2010 (44 days)
Point Emissions Summary by Non-Attainment Area

Tons/Average Episode Day

NA Area	State	County	PM2.5	NOX	VOC	NH3	SO2	CO
Logan, UT-ID	Utah	Cache	0.001	0.013	0.387	0.000	0.000	0.010
Total			0.001	0.013	0.387	0.000	0.000	0.010
Provo, UT	Utah	Utah	0.252	0.788	0.193	0.288	0.021	0.407
Total			0.252	0.788	0.193	0.288	0.021	0.407
Salt Lake City, UT	Utah	Box Elder	0.204	1.022	0.412	0.012	0.142	2.157
	Utah	Davis	0.319	2.729	7.887	0.421	2.606	1.837
	Utah	Salt Lake	2.374	13.674	2.158	0.177	6.537	4.906
	Utah	Tooele	0.687	3.165	1.141	0.007	0.257	2.457
	Utah	Weber	0.144	1.346	0.036	0.007	0.028	0.451
Total			3.728	21.937	11.635	0.624	9.568	11.808
Surrounding Areas	Idaho	Bannock	0.036	2.929	0.024	0.019	0.117	3.300
	Idaho	Bear Lake	0.031	3.435	0.097	0.000	0.000	0.519
	Idaho	Caribou	1.464	7.402	0.014	0.000	5.142	25.130
	Idaho	Cassia	0.000	0.000	0.501	0.000	0.000	0.000
	Idaho	Minidoka	0.556	3.042	0.285	1.491	1.114	6.037
	Idaho	Power	0.585	0.204	0.004	0.294	4.171	0.105
	Utah	Carbon	0.318	10.553	0.057	0.001	16.164	0.473
	Utah	Duchesne	0.007	1.459	0.502	0.000	0.000	0.146
	Utah	Emery	1.142	29.576	0.265	0.003	9.856	2.216
	Utah	Juab	0.264	0.622	0.070	0.303	0.020	0.315
	Utah	Millard	0.733	82.221	0.431	0.278	16.654	12.397
	Utah	Morgan	0.085	3.078	0.125	0.010	0.704	2.652
	Utah	Summit	0.026	0.508	0.013	0.000	0.326	0.044
	Utah	Wasatch	0.001	0.106	0.010	0.000	0.000	0.078
	Wyoming	Lincoln	2.568	40.374	0.264	0.116	63.641	2.265
Total			7.816	185.509	2.663	2.515	117.910	55.678
Logan, UT-ID			0.001	0.013	0.387	0.000	0.000	0.010
Provo, UT			0.252	0.788	0.193	0.288	0.021	0.407
Salt Lake City, UT			3.728	21.937	11.635	0.624	9.568	11.808
Surrounding Areas			<u>7.816</u>	<u>185.509</u>	<u>2.663</u>	<u>2.515</u>	<u>117.910</u>	<u>55.678</u>
			11.798	208.246	14.877	3.427	127.500	67.903
Logan, UT-ID			0.0%	0.0%	3%	0.0%	0.0%	0.0%
Provo, UT			2%	0.4%	1%	8%	0%	1%
Salt Lake City, UT			32%	11%	78%	18%	8%	17%
Surrounding Areas			<u>66%</u>	<u>89%</u>	<u>18%</u>	<u>73%</u>	<u>92%</u>	<u>82%</u>
			100%	100%	100%	100%	100%	100%