

## Primary, Condensable, and Filterable PM2.5 Winter Emissions by Major Source Categories (tons per day)

Area Sources		Winter Emissions (tons per day)								
		PM2.5			PM2.5 Condensable			PM2.5 Filterable		
		2028	2035	2038	2028	2035	2038	2028	2035	2038
EICSUMN	EICSOUN									
COOKING	COMMERCIAL CHARBROILING	0.047516	0.048993	0.049959	0.047369	0.048842	0.049805	0.000147	0.000151	0.000154
COOKING	COOKING (UNSPECIFIED)	0.008820	0.009094	0.009273	0.008797	0.009070	0.009249	0.000023	0.000024	0.000024
FOOD AND AGRICULTURAL PROCESSING	AG. IRRIGATION I.C. ENGINES	0.004460	0.002741	0.002410	0.000103	0.000063	0.000055	0.004358	0.002678	0.002355
MANUFACTURING AND INDUSTRIAL	OTHER	0.004890	0.005174	0.005405	0.003064	0.003237	0.003385	0.001824	0.001935	0.002017
MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION	0.006873	0.006970	0.007144	0.000712	0.000722	0.000740	0.006161	0.006247	0.006404
MINERAL PROCESSES	OTHER	0.030198	0.031395	0.032706	0.003129	0.003253	0.003388	0.027069	0.028142	0.029317
OIL AND GAS PRODUCTION (COMBUSTION)	COMPRESSORS LEAN BURN	0.000002	0.000001	0.000001	0.000002	0.000001	0.000001	0.000000	0.000000	0.000000
OIL AND GAS PRODUCTION (COMBUSTION)	COMPRESSORS RICH BURN	0.000010	0.000008	0.000008	0.000005	0.000004	0.000004	0.000005	0.000004	0.000004
OIL AND GAS PRODUCTION (COMBUSTION)	PROCESS HEATERS	0.000018	0.000015	0.000014	0.000014	0.000011	0.000010	0.000005	0.000004	0.000003
RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - COOKING	0.001084	0.001064	0.001046	0.000806	0.000792	0.000778	0.000278	0.000273	0.000268
RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING	0.021028	0.020662	0.020315	0.015559	0.015287	0.015029	0.005469	0.005375	0.005286
RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - WATER HEATING	0.009875	0.009698	0.009530	0.007343	0.007212	0.007087	0.002531	0.002486	0.002443
RESIDENTIAL FUEL COMBUSTION	OTHER	0.003112	0.003094	0.003078	0.002311	0.002298	0.002286	0.000800	0.000796	0.000792
RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	0.294515	0.285637	0.285637	0.013842	0.013425	0.013425	0.280672	0.272212	0.272212
RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - PELLET STOVES	0.004564	0.004426	0.004426	0.000215	0.000208	0.000208	0.004349	0.004218	0.004218
RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES	0.662920	0.642937	0.642937	0.031157	0.030218	0.030218	0.631763	0.612719	0.612719
RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOODSTOVES	0.506667	0.491394	0.491394	0.023813	0.023096	0.023096	0.482853	0.468298	0.468298
SERVICE AND COMMERCIAL	OTHER	0.012882	0.012995	0.013119	0.009580	0.009663	0.009756	0.003302	0.003331	0.003363
<b>Total Area Sources</b>		<b>1.619432</b>	<b>1.576297</b>	<b>1.578401</b>	<b>0.167820</b>	<b>0.167401</b>	<b>0.168520</b>	<b>1.451610</b>	<b>1.408893</b>	<b>1.409878</b>

## Primary, Condensable, and Filterable PM2.5 Winter Emissions by Major Source Categories (tons per day)

Point Sources		PM2.5			PM2.5 Condensable			PM2.5 Filterable		
		2028	2035	2038	2028	2035	2038	2028	2035	2038
EICSUMN	EICSOUN									
CHEMICAL	CHEMICAL MANUFACTURING	0.001673	0.002016	0.002211	0.000070	0.000084	0.000092	0.001603	0.001932	0.002118
COGENERATION	I.C. RECIPROCATING ENGINES	0.000028	0.000031	0.000033	0.000011	0.000013	0.000014	0.000016	0.000018	0.000020
ELECTRIC UTILITIES	OTHER	0.000238	0.000254	0.000275	0.000017	0.000019	0.000020	0.000220	0.000235	0.000255
FOOD AND AGRICULTURAL PROCESSING	BOILERS	0.002194	0.002528	0.002695	0.001364	0.001572	0.001676	0.000830	0.000956	0.001019
FOOD AND AGRICULTURAL PROCESSING	PROCESS HEATERS	0.000465	0.000501	0.000524	0.000272	0.000293	0.000307	0.000193	0.000208	0.000218
FOOD AND AGRICULTURAL PROCESSING	SPACE HEATING	0.000036	0.000041	0.000044	0.000022	0.000026	0.000028	0.000013	0.000015	0.000016
FOOD AND AGRICULTURE	AGRICULTURAL CROP PROCESSING LOSSES	0.054730	0.062926	0.067209	0.002791	0.003209	0.003428	0.051939	0.059717	0.063781
FOOD AND AGRICULTURE	AGRICULTURAL PRODUCTS PROCESSING LOSSES	0.032920	0.037851	0.040427	0.000097	0.000112	0.000119	0.032823	0.037739	0.040307
INCINERATORS	FLARES	0.000350	0.000363	0.000367	0.000002	0.000002	0.000002	0.000348	0.000361	0.000365
INCINERATORS	OTHER	0.001752	0.001806	0.001842	0.000042	0.000043	0.000044	0.001709	0.001763	0.001797
LANDFILLS	FLARES	0.001664	0.001634	0.001630	0.000502	0.000493	0.000492	0.001162	0.001141	0.001138
LANDFILLS	FUGITIVE DUST	0.001838	0.001895	0.001932	0.000008	0.000008	0.000008	0.001830	0.001886	0.001924
MANUFACTURING AND INDUSTRIAL	BOILERS	0.000247	0.000260	0.000273	0.000162	0.000170	0.000179	0.000085	0.000090	0.000094
MANUFACTURING AND INDUSTRIAL	I.C. RECIPROCATING ENGINES	0.001241	0.001243	0.001245	0.000198	0.000199	0.000200	0.001043	0.001044	0.001045
MANUFACTURING AND INDUSTRIAL	OVEN HEATERS (FORCE DRYING SURFACE COATINGS)	0.000028	0.000028	0.000028	0.000018	0.000018	0.000018	0.000011	0.000011	0.000011
MANUFACTURING AND INDUSTRIAL	PROCESS HEATERS	0.000322	0.000334	0.000345	0.000170	0.000178	0.000185	0.000152	0.000156	0.000160
MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	0.004173	0.004338	0.004519	0.001353	0.001407	0.001465	0.002820	0.002931	0.003054
MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION	0.000425	0.000434	0.000446	0.000067	0.000068	0.000070	0.000358	0.000366	0.000376
MINERAL PROCESSES	CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PF	0.000167	0.000173	0.000181	0.000000	0.000000	0.000000	0.000166	0.000173	0.000180
OIL AND GAS PRODUCTION	FUGITIVE LOSSES - COMPRESSORS	0.000108	0.000088	0.000080	0.000031	0.000025	0.000023	0.000077	0.000063	0.000057
OTHER (INDUSTRIAL PROCESSES)	OTHER	0.000548	0.000598	0.000638	0.000214	0.000234	0.000250	0.000334	0.000364	0.000388
OTHER (WASTE DISPOSAL)	OTHER	0.000091	0.000094	0.000096	0.000015	0.000015	0.000015	0.000077	0.000079	0.000081
SERVICE AND COMMERCIAL	BOILERS	0.001050	0.001059	0.001069	0.000691	0.000697	0.000704	0.000359	0.000362	0.000366
SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	0.015414	0.015399	0.015395	0.006599	0.006597	0.006597	0.008816	0.008802	0.008798
SERVICE AND COMMERCIAL	OTHER	0.000675	0.000675	0.000675	0.000049	0.000049	0.000049	0.000626	0.000626	0.000626
SERVICE AND COMMERCIAL	SPACE HEATING	0.001397	0.001410	0.001423	0.000876	0.000884	0.000892	0.000521	0.000526	0.000531
WOOD AND PAPER	PAPERBOARD/FIBERBOARD MANUFACTURING	0.004537	0.004742	0.004967	0.002835	0.002963	0.003103	0.001702	0.001779	0.001864
WOOD AND PAPER	SAWMILL/WOODWORKING OPERATIONS	0.042901	0.044838	0.046964	0.019465	0.020344	0.021309	0.023436	0.024494	0.025656
<b>Total Point Sources</b>		<b>0.171213</b>	<b>0.187559</b>	<b>0.197533</b>	<b>0.037943</b>	<b>0.039722</b>	<b>0.041288</b>	<b>0.133270</b>	<b>0.147837</b>	<b>0.156245</b>

## Primary, Condensable, and Filterable PM2.5 Winter Emissions By EICSUM in tons per day

Area Sources	PM2.5			PM2.5 Condensable			PM2.5 Filterable		
	2028	2035	2038	2028	2035	2038	2028	2035	2038
COOKING	0.056336	0.058087	0.059232	0.056166	0.057911	0.059053	0.000170	0.000175	0.000179
FOOD AND AGRICULTURAL PROCESSING	0.004460	0.002741	0.002410	0.000103	0.000063	0.000055	0.004358	0.002678	0.002355
MANUFACTURING AND INDUSTRIAL	0.004890	0.005174	0.005405	0.003064	0.003237	0.003385	0.001824	0.001935	0.002017
MINERAL PROCESSES	0.037071	0.038364	0.039850	0.003841	0.003975	0.004129	0.033230	0.034390	0.035721
OIL AND GAS PRODUCTION (COMBUSTION)	0.000030	0.000025	0.000023	0.000021	0.000017	0.000015	0.000010	0.000008	0.000007
RESIDENTIAL FUEL COMBUSTION	1.503763	1.458912	1.458363	0.095047	0.092535	0.092127	1.408716	1.366377	1.366236
SERVICE AND COMMERCIAL	0.012882	0.012995	0.013119	0.009580	0.009663	0.009756	0.003302	0.003331	0.003363
<b>Area Sources Total</b>	<b>1.619432</b>	<b>1.576297</b>	<b>1.578401</b>	<b>0.167820</b>	<b>0.167401</b>	<b>0.168520</b>	<b>1.451610</b>	<b>1.408893</b>	<b>1.409878</b>
Point Sources	2028	2035	2038	2028	2035	2038	2028	2035	2038
CHEMICAL	0.001673	0.002016	0.002211	0.000070	0.000084	0.000092	0.001603	0.001932	0.002118
COGENERATION	0.000028	0.000031	0.000033	0.000011	0.000013	0.000014	0.000016	0.000018	0.000020
ELECTRIC UTILITIES	0.000238	0.000254	0.000275	0.000017	0.000019	0.000020	0.000220	0.000235	0.000255
FOOD AND AGRICULTURAL PROCESSING	0.002695	0.003070	0.003263	0.001659	0.001891	0.002010	0.001036	0.001179	0.001253
FOOD AND AGRICULTURE	0.087650	0.100777	0.107636	0.002888	0.003321	0.003547	0.084762	0.097456	0.104089
INCINERATORS	0.002101	0.002169	0.002209	0.000044	0.000045	0.000046	0.002057	0.002124	0.002163
LANDFILLS	0.003502	0.003529	0.003562	0.000510	0.000501	0.000500	0.002992	0.003028	0.003062
MANUFACTURING AND INDUSTRIAL	0.001839	0.001865	0.001891	0.000548	0.000565	0.000581	0.001291	0.001300	0.001310
MINERAL PROCESSES	0.004764	0.004945	0.005145	0.001420	0.001475	0.001535	0.003344	0.003470	0.003610
OIL AND GAS PRODUCTION	0.000108	0.000088	0.000080	0.000031	0.000025	0.000023	0.000077	0.000063	0.000057
OTHER (INDUSTRIAL PROCESSES)	0.000548	0.000598	0.000638	0.000214	0.000234	0.000250	0.000334	0.000364	0.000388
OTHER (WASTE DISPOSAL)	0.000091	0.000094	0.000096	0.000015	0.000015	0.000015	0.000077	0.000079	0.000081
SERVICE AND COMMERCIAL	0.018537	0.018544	0.018563	0.008215	0.008228	0.008243	0.010322	0.010316	0.010320
WOOD AND PAPER	0.047438	0.049580	0.051931	0.022300	0.023306	0.024412	0.025138	0.026273	0.027519
<b>Point Sources Total</b>	<b>0.171213</b>	<b>0.187559</b>	<b>0.197533</b>	<b>0.037943</b>	<b>0.039722</b>	<b>0.041288</b>	<b>0.133270</b>	<b>0.147837</b>	<b>0.156245</b>