

APPENDIX 6

Summary of Onroad Emissions for PM2.5 Redesignation SIP Inventory
Using U.S. EPA's MOVES2010a Model

2006	FIPS Code	NOx (tons per Jan. wkdy)	PM2.5 (tons per Jan. wkdy)	SO2 (tons per Jan. wkdy)	VOC (tons per Jan. wkdy)	January Weekday VMT	Vehicle Population
Milwaukee Co.	55079	53.93	2.74	0.88	26.68	18,013,879	551,282
Racine Co.	55101	10.48	0.49	0.16	5.62	3,968,227	123,581
Waukesha Co.	55133	28.69	1.39	0.45	15.26	10,705,254	330,439
2010	FIPS Code	NOx (tons per Jan. wkdy)	PM2.5 (tons per Jan. wkdy)	SO2 (tons per Jan. wkdy)	VOC (tons per Jan. wkdy)	January Weekday VMT	Vehicle Population
Milwaukee Co.	55079	34.73	1.86	0.25	19.17	17,052,240	527,225
Racine Co.	55101	7.96	0.40	0.06	4.63	4,258,146	133,003
Waukesha Co.	55133	23.02	1.19	0.16	13.44	12,234,608	379,442
2020	FIPS Code	NOx (tons per Jan. wkdy)	PM2.5 (tons per Jan. wkdy)	SO2 (tons per Jan. wkdy)	VOC (tons per Jan. wkdy)	January Weekday VMT	Vehicle Population
Milwaukee Co.	55079	18.60	1.32	0.22	8.72	21,490,660	650,395
Racine Co.	55101	3.91	0.28	0.05	2.01	5,170,693	159,714
Waukesha Co.	55133	10.11	0.73	0.12	5.16	13,127,292	401,771
2025	FIPS Code	NOx (tons per Jan. wkdy)	PM2.5 (tons per Jan. wkdy)	SO2 (tons per Jan. wkdy)	VOC (tons per Jan. wkdy)	January Weekday VMT	Vehicle Population
Milwaukee Co.	55079	16.32	1.22	0.21	6.63	22,698,923	678,923
Racine Co.	55101	3.45	0.26	0.05	1.52	5,461,397	166,850
Waukesha Co.	55133	8.92	0.68	0.12	3.83	13,865,343	419,575

NOTES:

- The emission values include a "safety margin" of 7.5% for the years 2020 and 2025.
- VOC emissions do not include those from vehicle refueling. Those emissions are accounted for in the area source inventory.
- MOVES input files can be obtained by contacting Mr. Christopher Bovee (Christopher.Bovee@wisconsin.gov or 608-266-5542)

February 24, 2012