

Summary of Emission Inventory from PATH-2016 and Scale Factor to be Adopted

Layer	Grid	Total Annual Emission from PATH-2016				Annual Vehicular Emission from PATH-2016				Annual Vehicular Emission from Near-field Model				Emission After Removal				Scale Factor for Emission Removal				Methodology for Emission Removal	
		NO (mol/yr)	NO <sub>2</sub> (mol/yr)	PMC (g/yr)	FSP (g/yr)	NO (mol/yr)	NO <sub>2</sub> (mol/yr)	PMC (g/yr)	FSP (g/yr)	NO (mol/yr)	NO <sub>2</sub> (mol/yr)	RSP (g/yr)	PMC (g/yr)	FSP (g/yr)	NO (mol/yr)	NO <sub>2</sub> (mol/yr)	PMC (g/yr)	PMFINE (g/yr)	NO	NO <sub>2</sub>	PMC		FSP
Layer 1	4039	1343660	153361	1155758	6921144	1014584	126823	299418	4139856	385040	39740	595547	47546	548001	958621	113622	1108213	6373143	0.713	0.741	0.959	0.921	Remove all vehicular emission modelled in near-field model.
	4040	314779	36430	289710	1725163	249007	31126	73486	1016035	381268	33861	710533	56739	653794	65772	5304	232971	1071369	0.209	0.146	0.804	0.621	Remove all vehicular emission from PATH-2016
	4041	118311	13683	141962	763254	93368	11671	27554	380974	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000	0.000	Remove all emission from PATH-2016
	4139	953273	105928	1055210	5482116	654977	81872	193293	2672528	312792	26632	512178	41089	471089	640481	79297	1014121	5011027	0.672	0.749	0.961	0.914	Remove all vehicular emission modelled in near-field model.
	4140	660956	76481	671220	3856140	522569	65321	154218	2132262	820831	79463	1405576	112336	1293240	138388	11160	558884	2562900	0.209	0.146	0.833	0.665	Remove all vehicular emission from PATH-2016
	4238	302200	27785	746694	2674886	76982	9623	22718	314112	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000	0.000	Remove all emission from PATH-2016
	4239	415624	42344	780725	3176402	198992	24874	58726	811955	577215	53544	878551	70233	808318	216632	17470	721999	2368084	0.521	0.413	0.925	0.746	Remove all vehicular emission from PATH-2016
	4240	989676	114456	1034611	5878728	781060	97633	230503	3186997	154168	12601	261912	20941	240971	835508	101856	1013670	5637757	0.844	0.890	0.980	0.959	Remove all vehicular emission modelled in near-field model.
	4339	8655	722	26479	88065	548	69	162	2237	65105	5811	106491	8566	97925	8107	654	26317	85827	0.937	0.905	0.994	0.975	Remove all vehicular emission modelled in near-field model. <sup>[1]</sup>
	4340	559602	64528	615920	3398058	437364	54671	129073	1784603	197373	19413	315614	25142	290472	362229	45115	590778	3107586	0.647	0.699	0.959	0.915	Remove all vehicular emission modelled in near-field model.

Remark:

[1] Remove vehicular emission from PATH-2016 when vehicular emission from near-field model emission is greater than that from PATH-2016.