

Appendix 3.10

Removal of Emission for PATH rerun in
Year 2030

Removal of PATH Annual Emission in Year 2030

Grid	Removal of PATH Emission in Year 2030 (tonnes/year)																											Emissions to be Removed
	NO			NO2			HONO			PMFINE			PMC			PSO4			POC			PNO3			PEC			
	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	
16 38	1.97E+01	9.70E+00	1.00E+01	2.11E+00	9.92E-01	1.12E+00	8.63E-02	8.63E-02	0.00E+00	7.83E-02	2.04E-02	5.79E-02	5.56E-02	1.47E-02	4.09E-02	3.13E-02	1.20E-03	3.01E-02	7.29E-02	7.29E-02	0.00E+00	5.16E-03	4.57E-04	4.71E-03	4.47E-01	3.20E-01	1.27E-01	Vehicular and Marine
16 39	1.07E+01	0.00E+00	1.07E+01	1.19E+00	0.00E+00	1.19E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-02	0.00E+00	8.45E-02	9.09E-01	0.00E+00	9.09E-01	3.93E-02	0.00E+00	3.93E-02	0.00E+00	0.00E+00	0.00E+00	7.17E-03	0.00E+00	7.17E-03	8.74E-01	0.00E+00	8.74E-01	Vehicular
17 38	3.76E+01	2.58E+01	1.18E+01	3.94E+00	2.64E+00	1.31E+00	2.29E-01	2.29E-01	0.00E+00	1.12E-01	2.97E-02	8.19E-02	5.49E-01	1.99E-02	5.29E-01	4.18E-02	1.76E-03	4.01E-02	1.06E-01	1.06E-01	0.00E+00	7.49E-03	6.66E-04	6.83E-03	1.03E+00	4.67E-01	5.62E-01	Vehicular and Marine
17 39	5.82E+00	0.00E+00	5.82E+00	6.46E-01	0.00E+00	6.46E-01	0.00E+00	0.00E+00	0.00E+00	4.51E-02	0.00E+00	4.51E-02	2.85E-01	0.00E+00	2.85E-01	2.21E-02	0.00E+00	2.21E-02	0.00E+00	0.00E+00	0.00E+00	3.76E-03	0.00E+00	3.76E-03	3.04E-01	0.00E+00	3.04E-01	Vehicular
18 38	5.38E+00	5.38E+00	0.00E+00	5.50E-01	5.50E-01	0.00E+00	4.78E-02	4.78E-02	0.00E+00	1.01E-02	1.01E-02	0.00E+00	8.43E-03	8.43E-03	0.00E+00	5.98E-04	5.98E-04	0.00E+00	3.62E-02	3.62E-02	0.00E+00	2.27E-04	2.27E-04	0.00E+00	1.59E-01	1.59E-01	0.00E+00	Marine
18 39	1.42E+01	0.00E+00	1.42E+01	1.58E+00	0.00E+00	1.58E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-01	0.00E+00	1.11E-01	8.89E-01	0.00E+00	8.89E-01	5.34E-02	0.00E+00	5.34E-02	0.00E+00	0.00E+00	0.00E+00	9.32E-03	0.00E+00	9.32E-03	9.01E-01	0.00E+00	9.01E-01	Vehicular and Marine

Legend

- Near-field Modelled Road Extent
- Emission Removed in PATH Year 2030
 - Removal of Assessed 500m Marine Emission (Partial Grid)
 - Removal of All Vehicular Emission (Full Grid)
 - Removal of All Vehicular (Full Grid) and Assessed 500m Marine Emission (Partial Grid)
- Project Elements
 - Route 11 Project Alignment
 - Project Alignment (At-grade and Viaducts)
 - Project Alignment (Tunnel Section)
- 500m Assessment Area

Remarks:
[1] All road emissions within the grid is modelled in near-field.
[2] Only marine emission within the 500m Assessment Area is modelled in near-field.

