

Appendix F VEPM Link Input Example

Appendix F - VEPM Link Input Example

Table F-1 VEPM Link Input Example

Required Inputs						Optional Inputs														
Run number	year	Speed Car	speed LCV	Speed HCV	B&T PM size	Light Duty Vehicles <3.5t							Diesel HCV >3.5t							
						% car petrol	% car diesel	% car hybrid	% LCV petrol	%LCV diesel	%LCV hybrid	% buses	% HCV 3.5-7.5 t	% HCV 7.5-12t	% HCV 12-15t	% HCV 15-20t	% HCV 20-25t	% HCV 25-30t	% HCV >30t	
Without Project	2021	10	10	10	PM10	57.7%	10.9%	2.3%	1.9%	13.0%	0.6%	1.2%	2.8%	1.4%	0.4%	0.6%	2.2%	2.2%	2.6%	
With Project	2021	10	10	10	PM10	57.0%	10.8%	2.3%	1.9%	12.8%	0.6%	1.3%	3.0%	1.5%	0.4%	0.6%	2.4%	2.4%	2.8%	
Without Project	2031	10	10	10	PM10	42.3%	21.2%	9.1%	1.1%	12.2%	2.6%	1.0%	2.7%	1.1%	0.3%	0.5%	1.4%	1.9%	2.6%	
With Project	2031	10	10	10	PM10	38.7%	19.4%	8.3%	1.0%	11.2%	2.4%	1.6%	4.5%	1.8%	0.5%	0.8%	2.4%	3.2%	4.2%	
Required Inputs				Optional Inputs																
Run number	year	Avg trip length	amb temp	petrol type	diesel type	cold start?	degradation ?	% cats old car	% cats new	% grade	% load	number of wheels								
		km	°C	0 to 6	0 to 5	yes/no	yes/no	0-100%	0-100%	-6 to 6%	0-100%	HCV 3.5-7.5 t	HCV 7.5-12t	HCV 12-15t	HCV 15-20t	HCV 20-25t	HCV 25-30t	HCV >30 t	buses	
Without Project	2021	9.1	13.1	6	5	yes	yes	15%	0%	0%	50%	6	6	8	8	8	8	8	8	6
With Project	2021	9.1	13.1	6	5	yes	yes	15%	0%	0%	50%	6	6	8	8	8	8	8	8	6
Without Project	2021	9.1	13.1	6	5	yes	yes	15%	0%	0%	50%	6	6	8	8	8	8	8	8	6
With Project	2031	9.1	13.1	6	5	yes	yes	15%	0%	0%	50%	6	6	8	8	8	8	8	8	6