

Appendix B.4: Additionality Data and Assumptions

Construction

Table B-4-1: Data and Assumptions to Estimate Net Additional Construction Jobs

	Study Area (60-minute drive time)	England	Comments
Construction			
Deadweight	See Table 7D2	See Table 7D2	Deadweight has been derived from the capacity realised by the MRT East and the P&R scheme
Leakage	45%	1%	The south East of England is characterised by higher than average construction workforce mobility and higher than average import of construction labour. As such, approximately 45% of jobs relating to the project could be taken up by workers outside of the study area (i.e. 45% leakage). A negligible proportion of jobs (1%) may go to workers from outside the country as the project could involve specialist expertise not widely available in the UK.
Displacement	20%	50%	Displacement is assumed to be relatively low (20%) within the study area as there is a plentiful supply of construction labour to implement the proposed development and each of the committed developments. Displacement at national level is also assumed to be at a medium level (50%) due to the larger area for competition.
Substitution	0%	0%	Assumed no incentives to influence substitution behaviour.
Multiplier	1.5	2.3	Construction Multipliers from Additionality Guide Fourth Edition (2014). ¹ Around 75% of the goods and services and household expenditure are assumed to occur in the study area. ²

¹ http://www.homesandcommunities.co.uk/sites/default/files/aboutus/additionality_guide_2014_full.pdf

² Note 2.3 is 75% of 2.70 (Composite output multiplier value for construction).

Table B-4-2: Deadweight Derived from Capacity Released by MRT East & P&R

	Jobs (15,000)		Homes (14,700)	
Demand Model Outputs	2021	2031	2021	2031
Bus	2.5%	2.8%	2.6%	2.8%
TVP P&R	1.0%	2.0%	1.0%	2.0%
Combined	3.5%	4.8%	3.6%	4.8%
Deadweight (used in Model)				
Bus	Not used	97.2% (100%-2.8%)	Not used	97.2% (100%-2.8%)
TVP P&R	Not used	Not required for assessment	Not used	Not required for assessment
Combined	Not used	95.2% (100%-4.8%)	Not used	95.2% (100%-4.8%)

Source: PBA

Operation

Table B-4-3: Data and Assumptions to Estimate Net Additional Operational Jobs

	Study Area (60-minute drive time)	England	Comments
Construction			
Deadweight	See Table 7D2	See Table 7D2	Deadweight has been derived from the capacity realised by the MRT East and the P&R scheme
Leakage	10%	1%	Travel to work patterns show Reading (75%) and Wokingham (80%) have relatively contained labour markets.
Displacement	25%	50%	Displacement is assumed to be relatively low (25%) within the study area as there is a plentiful new skilled workers entering the labour market each year. Displacement at a national level is assumed to be at a medium level due to the larger target area for competition.
Substitution	0%	0%	Assumed no incentives to influence substitution behaviour.
Multiplier	1.5	2.3	General Employment Multipliers from Additionality Guide Fourth Edition (2014). ³ Around 80% of the goods and services and household expenditure are assumed to occur in the study area. ⁴

³ http://www.homesandcommunities.co.uk/sites/default/files/aboutus/additionality_guide_2014_full.pdf

⁴ Note 2.03 is 75% of 2.70.