

North London Waste Authority
**North London Heat and Power
Project**

Preliminary Environmental
Information Report
Volume 2 Appendix 8.2 Socio-
Economics Assessment
Calculations

Issue for Consultation

May 2015

Arup

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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nlwa
north london waste authority



1 Employment effects from construction

Vol 2 Appendix 8.2 Table 1: Construction employment calculations

Ref	Description	Calculation	
		Greater South East	UK
A	Project cost (CAPEX)	£475,000,000	
B	Greater South East Construction GVA	£36,984,000,000	
C	Greater South East Construction Employment	756,250	
D = B / C	Construction GVA/Job	£48,904	
E = A / D	Direct gross employment (job years)	9,713 job years	
F = E / 10	Direct gross employment (Full Time Equivalent)	971	
G	Leakage assumption	50%	0%
H = F x (1-G)	...leaves employment of	486	971
I	Deadweight assumption	0%	0%
J = H x (1-I)	...leaves employment of	486	971
K	Displacement assumption	0%	0%
L = J x (1-K)	...leaves employment of	486	971
M	Composite multiplier	2.7	2.7
N = L	Net additional direct	486	971
O = N x (M-1)	Net additional indirect and induced	826	1,651
P = N + O	Net additional total	1,311	2,623