

Appendix 8 – Model Two Employment Forecasts Detailed Calculations

Table 8.1 – Forecast Employment Land and Floorspace Demand based on Cambridge Econometrics Forecasts 2021-2038 – Chorley

SIC Group	Workforce Growth 2021-38	Percentage Occupying B1/2/8 Space	Growth Number of Jobs on B1/2/8 Space	Floorspace Per Job, sqm	Floorspace Required, sqm
Agriculture, Forestry and Fishing	20	5	1	12	12
Mining and Quarrying	(6)	5	(0)	12	(4)
Manufacturing	(395)	100	(395)	36	(14,220)
Electricity, Gas, Steam and Air Conditioning Supply	0	26	0	12	0
Water supply; Sewerage, Waste Management and Remediation Activities	3	26	1	12	9
Construction	191	26	50	12	596
Wholesale and Retail Trade	216	5	11	70	756
Transportation and Storage	98	48	47	70	3,293
Accommodation and Food Service Activities	778	0	-		-
Information and Communication	583	100	583	11	6,413
Finance and Insurance	(20)	100	(20)	10	(200)
Real Estate	86	100	86	12	1,032
Professional, Scientific and Technical	341	100	341	12	4,092
Administrative and Support Service	591	100	591	12	7,092
Public Administration and Defence	14	22	3	12	37
Education	761	0	-		-
Human Health and Social Work	2,429	5	121	12	1,457
Arts, Entertainment and Recreation	(38)	0	-		-
Other Service Activities	(9)	22	(2)	12	24
Total	5,640		1,418		
Increase in Floorspace – Growth Sectors (sqm)					24,789
Decline in Floorspace – Declining Sectors (sqm)					(14,447)
Net Change in Floorspace Demand (sqm)					10,342
Assumed Developable Floorspace per Hectare (sqm/ha)					3,900

SIC Group	Workforce Growth 2021-38	Percentage Occupying B1/2/8 Space	Growth Number of Jobs on B1/2/8 Space	Floorspace Per Job, sqm	Floorspace Required, sqm
Equivalent Employment Land Needed – Growth Sectors (ha)					6.4
Equivalent Employment Land Needed – Declining Sectors (ha)					(3.7)
Equivalent Employment Land Needed – Net (ha)					2.7

Source: BE Group, 2021

Table 8.2 – Forecast Employment Land and Floorspace Demand based on Cambridge Econometrics Forecasts 2021-2038 – Preston

SIC Group	Workforce Growth 2021-38	Percentage Occupying B1/2/8 Space	Growth Number of Jobs on B1/2/8 Space	Floorspace Per Job, sqm	Floorspace Required, sqm
Agriculture, Forestry and Fishing	24	5	1	12	14
Mining and Quarrying	(13)	5	(1)	12	(8)
Manufacturing	(429)	100	(429)	36	(15,444)
Electricity, Gas, Steam and Air Conditioning Supply	(11)	26	(3)	12	(34)
Water supply; Sewerage, Waste Management and Remediation Activities	7	26	2	12	22
Construction	338	26	88	12	1,055
Wholesale and Retail Trade	319	5	16	70	1,117
Transportation and Storage	69	48	33	70	2,318
Accommodation and Food Service Activities	1794	0	-		-
Information and Communication	176	100	176	11	1,936
Finance and Insurance	(68)	100	(68)	10	(680)
Real Estate	132	100	132	12	1,584
Professional, Scientific and Technical	485	100	485	12	5,820
Administrative and Support Service	1,288	100	1,288	12	15,456
Public Administration and Defence	129	22	28	12	341
Education	577	0	-		-
Human Health and Social Work	1,590	5	80	12	954

SIC Group	Workforce Growth 2021-38	Percentage Occupying B1/2/8 Space	Growth Number of Jobs on B1/2/8 Space	Floorspace Per Job, sqm	Floorspace Required, sqm
Arts, Entertainment and Recreation	(67)	0	-		-
Other Service Activities	(5)	22	(1)	12	(13)
Total	6,336		2,685		
Increase in Floorspace – Growth Sectors (sqm)					30,616
Decline in Floorspace – Declining Sectors (sqm)					(16,179)
Net Change in Floorspace Demand (sqm)					14,437
Assumed Developable Floorspace per Hectare (sqm/ha)					3,900
Equivalent Employment Land Needed – Growth Sectors (ha)					7.9
Equivalent Employment Land Needed – Declining Sectors (ha)					(4.1)
Equivalent Employment Land Needed – Net (ha)					3.7

Source: BE Group, 2021

Table 8.3 – Forecast Employment Land and Floorspace Demand based on Cambridge Econometrics Forecasts 2021-2038 – South Ribble

SIC Group	Workforce Growth 2021-38	Percentage Occupying B1/2/8 Space	Growth Number of Jobs on B1/2/8 Space	Floorspace Per Job, sqm	Floorspace Required, sqm
Agriculture, Forestry and Fishing	21	5	1	12	13
Mining and Quarrying	(3)	5	(0)	12	(2)
Manufacturing	(385)	100	(385)	36	(13,860)
Electricity, Gas, Steam and Air Conditioning Supply	(2)	26	(1)	12	(6)
Water supply; Sewerage, Waste Management and Remediation Activities	95	26	25	12	296
Construction	1617	26	420	12	5,045
Wholesale and Retail Trade	264	5	13	70	924
Transportation and Storage	138	48	66	70	4,637
Accommodation and Food Service Activities	411	0	-		-
Information and Communication	570	100	570	11	6,270
Finance and Insurance	(13)	100	(13)	10	(130)
Real Estate	281	100	281	12	3,372
Professional, Scientific and Technical	320	100	320	12	3,840

SIC Group	Workforce Growth 2021-38	Percentage Occupying B1/2/8 Space	Growth Number of Jobs on B1/2/8 Space	Floorspace Per Job, sqm	Floorspace Required, sqm
Administrative and Support Service	394	100	394	12	4,728
Public Administration and Defence	12	22	3	12	32
Education	717	0	-		-
Human Health and Social Work	1882	5	94	12	1,129
Arts, Entertainment and Recreation	(17)	0	-		-
Other Service Activities	(8)	22	(2)	12	21
Total	6294		1,786		
Increase in Floorspace – Growth Sectors (sqm)					30,313
Decline in Floorspace – Declining Sectors (sqm)					(13,998)
Net Change in Floorspace Demand (sqm)					16,315
Assumed Developable Floorspace per Hectare (sqm/ha)					3,900
Equivalent Employment Land Needed – Growth Sectors (ha)					7.8
Equivalent Employment Land Needed – Declining Sectors (ha)					(3.6)
Equivalent Employment Land Needed – Net (ha)					4.2

Source: BE Group, 2021