



Local Development Plan 2 (2017 – 2033)

Local Employment Trends Background Paper (December 2018)

Glossary

Term or abbreviation	Meaning
Full Time Equivalent (FTE)	The equivalent of one employee working full time.
Gross Value Added (GVA)	The measure of the value of goods and services produced in an area, industry or sector of an economy.
ILO	International Labour Organization
Labour Force	This is the number of people that are economically active in Pembrokeshire, either employed (residence-based employment) or unemployed.
Participation rate or economic activity rate	The proportion of working age population who are either employed or seeking employment (i.e unemployed). The participation rate used in the Experian model is based on the entire adult population (16+).
Residence based employment	This is the number of people who are living in Pembrokeshire who are employed.
Workforce jobs	A count of jobs in Pembrokeshire (this is not a count of people as one person may occupy more than one job).
Workplace based employment	This is a 'person-based' measure of employment in Pembrokeshire.
Working age	The definition of working age used is based on the state pension age. As the state pension age for men and women changes in line with announced policy, the working age population is adjusted in the model to take this into account.

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Introduction.

The review of the Local Development Plan 'Planning Pembrokeshire's Future' (adopted February 2013) commenced 5th May 2017. This background paper has been prepared to help inform the Preferred Strategy of LDP 2.

The paper sets out evidence from Experian Goad (2018) on Employment forecasts for the period 2017-2033. The model Experian use is based on ONS data which is then analysed with an econometric model which is a model estimated on historical data. Where Experian Goad believe that the forecast relationship may differ from history, they make appropriate adjustments to the forecast. Industry, regional and local developments are reflected in the model. Baseline assumptions include a soft Brexit (ie largely business as usual in terms of existing trade relations). Figures shown are for Pembrokeshire as a whole (including the area of the Pembrokeshire Coast National Park Authority).

The analysis and summary commentary has been prepared by Pembrokeshire County Council.

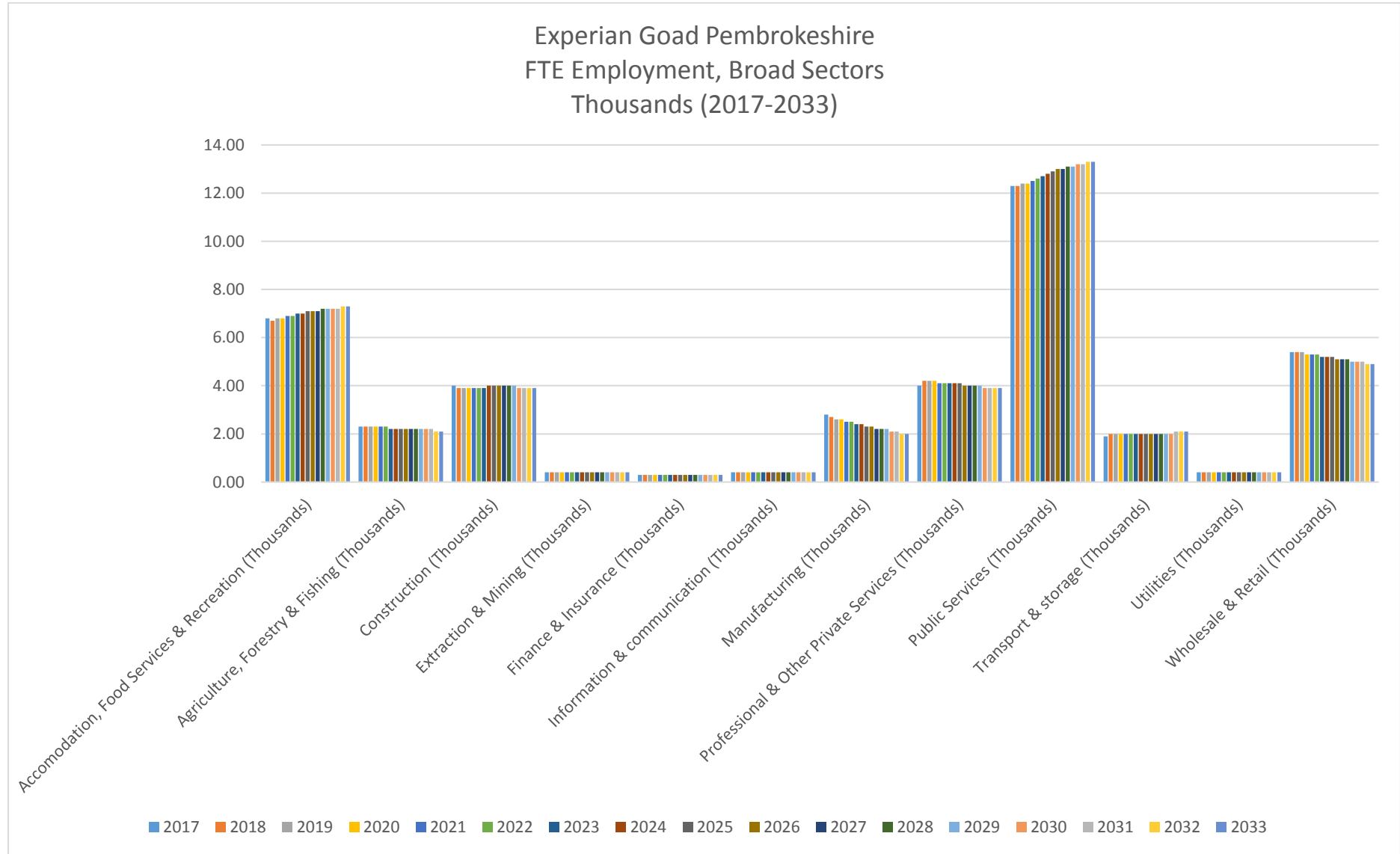
The paper should be read in conjunction with (Pembrokeshire Economic Profile, produced by PACEC 2015).

Planning Policy Wales (Edition 9) encourages local authorities to assess anticipated employment change in their areas. This background paper has been produced to inform this and also to inform the Council's Preferred Strategy.

Section 1. Evidence

A series of graphs and tables set out the data set provided by Experian Goad. Analysis of the data is included below the graph

1.1 Employment Trends by Broad Sectors Thousands (2017-2033)



Employment Trends by Broad Sector Table

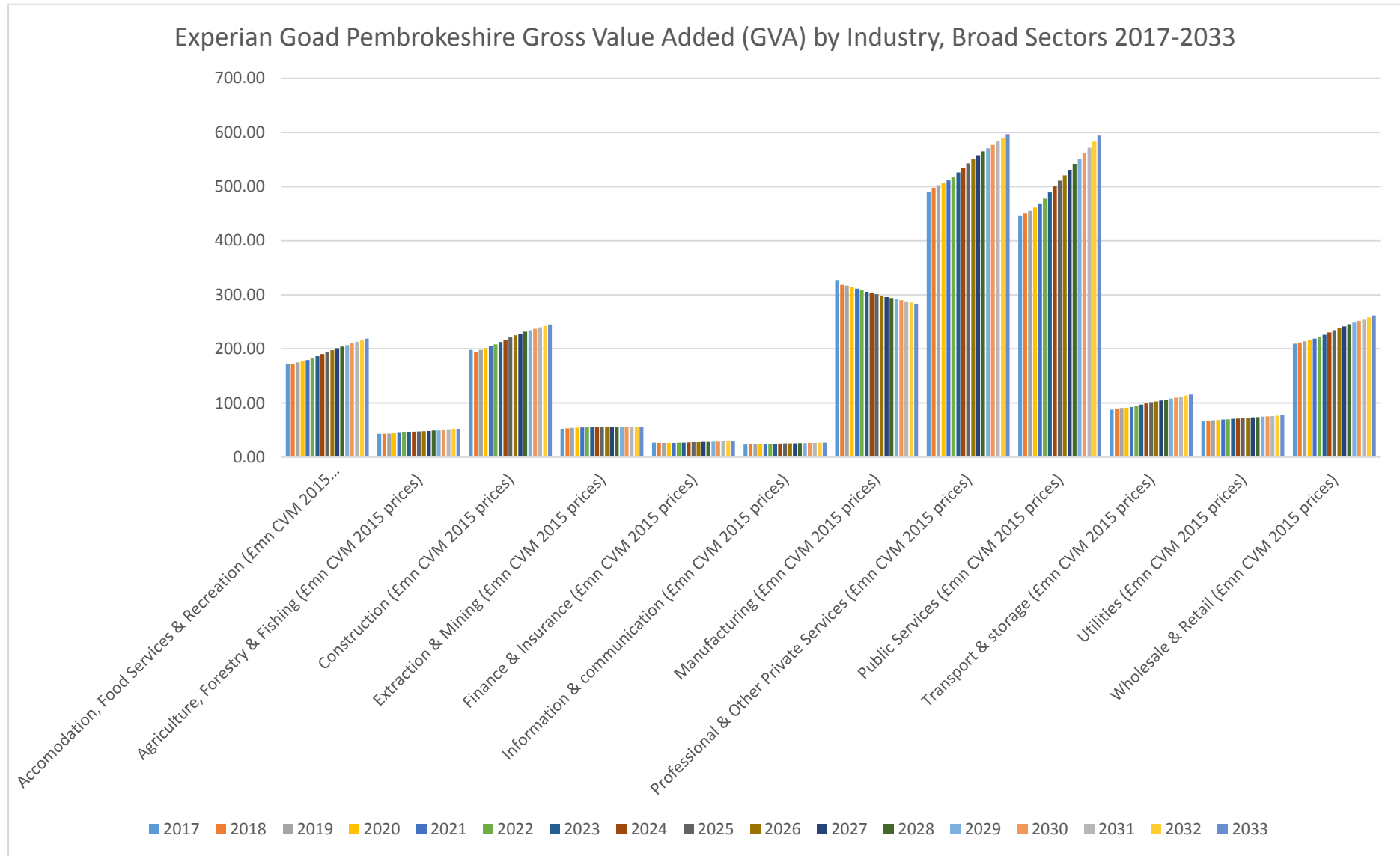
Sector	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Accommodation, Food Services & Recreation (Thousands)	6.80	6.70	6.80	6.80	6.90	6.90	7.00	7.00	7.10	7.10	7.10	7.20	7.20	7.20	7.20	7.30	7.30
Agriculture, Forestry & Fishing (Thousands)	2.30	2.30	2.30	2.30	2.30	2.30	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.10	2.10
Construction (Thousands)	4.00	3.90	3.90	3.90	3.90	3.90	3.90	4.00	4.00	4.00	4.00	4.00	4.00	3.90	3.90	3.90	3.90
Extraction & Mining (Thousands)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Finance & Insurance (Thousands)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Information & communication (Thousands)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Manufacturing (Thousands)	2.80	2.70	2.60	2.60	2.50	2.50	2.40	2.40	2.30	2.30	2.20	2.20	2.20	2.10	2.10	2.00	2.00

Sector	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Professional & Other Private Services (Thousands)	4.00	4.20	4.20	4.20	4.10	4.10	4.10	4.10	4.10	4.00	4.00	4.00	4.00	3.90	3.90	3.90	3.90
Public Services (Thousands)	12.30	12.30	12.40	12.40	12.50	12.60	12.70	12.80	12.90	13.00	13.00	13.10	13.10	13.20	13.20	13.30	13.30
Transport & storage (Thousands)	1.90	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.10	2.10	2.10
Utilities (Thousands)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Wholesale & Retail (Thousands)	5.40	5.40	5.40	5.30	5.30	5.30	5.20	5.20	5.20	5.10	5.10	5.10	5.00	5.00	5.00	4.90	4.90
Total	2058	2059	2060.1	2061	2062	2063.1	2064	2065.2	2066.3	2067.2	2068.1	2069.3	2070.2	2071	2072.1	2073	2074

Analysis of Projected Employment Trends by Broad Sector

The sectoral split shows the dominance of the public sector within Pembrokeshire's economy, with 12.3 thousand employed across this sector in 2017, projected to increase (despite austerity) to 13.3 thousand in 2033. . Other broad sectors projected to increase include: Accommodation, food services and recreation (from 6.8 thousand in 2017 to 7.3 thousand in 2033), reflecting Pembrokeshire's strong tourism industry; and Transport and Storage, from 1.9 thousand in 2017 to 2.1 thousand in 2033). Sectors projected to decline include Agriculture, Forestry and Fishing (2.3 thousand in 2017 to 2.1 thousand in 2033), Construction (from 4 thousand in 2017 to 3.9 thousand in 2033); Manufacturing from 2.8 thousand in 2017 to 2.0 thousand in 2033; Professional and Other Private Services from 4.00 thousand in 2017 to 3.9 thousand in 2033 and Wholesale and Retail from 5.4 thousand in 2017 to 4.9 thousand in 2033. Sectors projected to remain at a consistent level in terms of numbers employed include Extraction and Mining, Finance and Insurance, Information and Communication and Utilities. A break down of the split within the broad sectors is shown in Section 1.3.

1.2 Gross Value Added Projections by Industry, Broad Sectors 2017-2033



Gross Value Added Projections by Industry, Broad Sectors 2017-2033 Table

Sector		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
GVA by Industry, broad sectors	Accommodation, Food Services & Recreation (£mn CVM 2015 prices)	172.20	172.20	175.10	177.00	179.40	182.50	186.40	190.40	194.00	197.60	201.00	204.10	207.00	209.90	212.90	215.90	218.80
	Agriculture, Forestry & Fishing (£mn CVM 2015 prices)	43.10	42.90	43.50	43.90	44.80	45.60	46.30	46.90	47.40	48.00	48.60	49.10	49.50	49.80	50.30	50.90	51.30
	Construction (£mn CVM 2015 prices)	198.10	195.10	198.00	201.00	204.60	208.30	212.80	217.20	221.20	224.90	228.20	231.50	234.20	236.90	239.60	242.40	245.10
	Extraction & Mining (£mn CVM 2015 prices)	52.20	53.10	54.10	54.60	55.10	55.40	55.60	55.50	55.60	55.90	56.20	56.30	56.50	56.50	56.50	56.50	56.40
	Finance & Insurance (£mn CVM 2015 prices)	26.60	26.20	26.10	26.10	26.20	26.50	26.80	27.20	27.50	27.70	27.90	28.10	28.30	28.50	28.80	29.10	29.50
	Information & communication (£mn CVM 2015 prices)	23.40	23.90	24.00	24.10	24.20	24.40	24.70	25.00	25.20	25.50	25.60	25.80	26.00	26.20	26.40	26.60	26.90

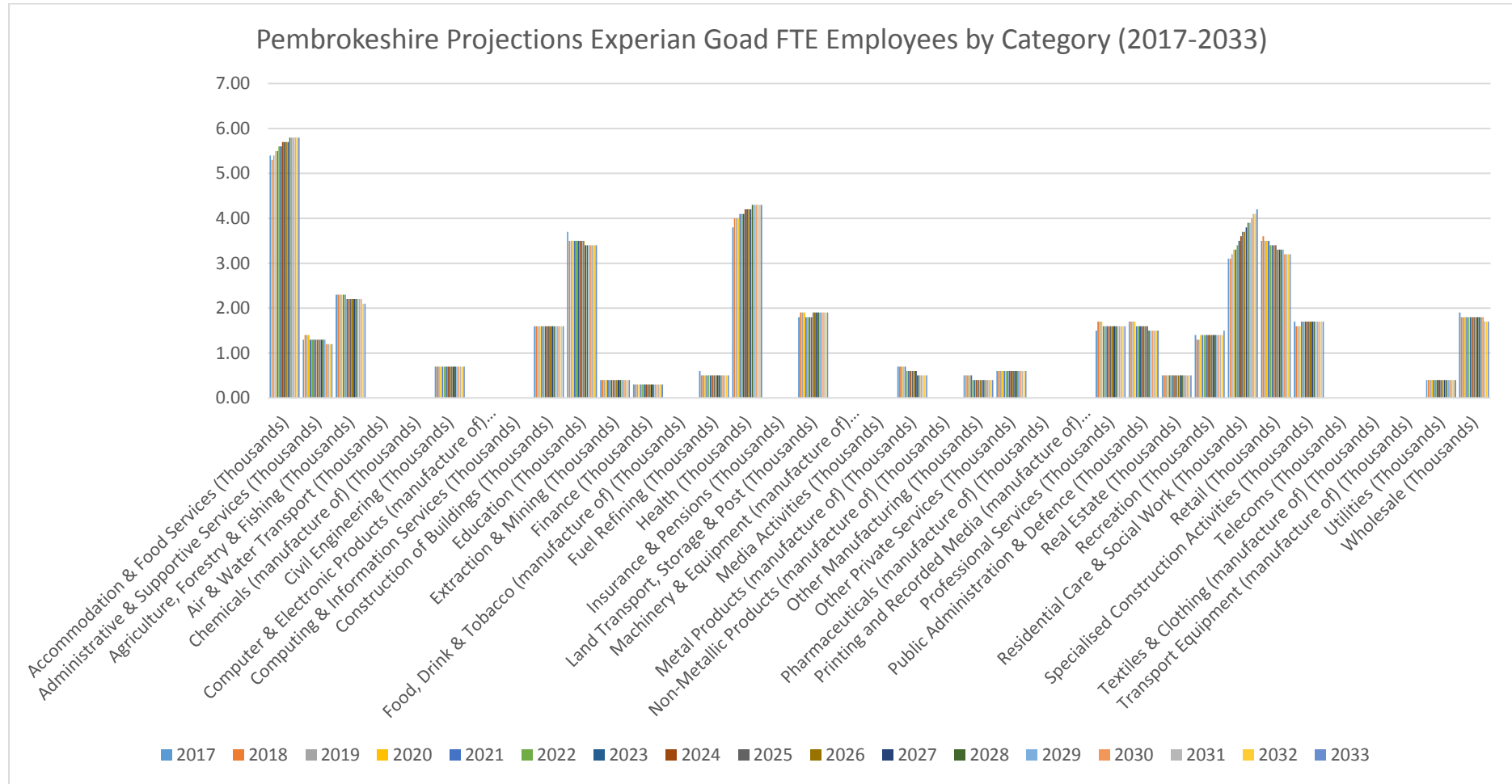
Sector		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	Manufacturing (€mn CVM 2015 prices)	327.20	318.40	317.20	314.20	311.10	308.00	305.50	303.50	301.10	298.40	296.00	293.90	291.90	290.10	288.00	285.70	283.40
	Professional & Other Private Services (€mn CVM 2015 prices)	490.60	497.60	502.40	506.40	511.50	518.00	526.00	534.60	542.60	550.20	557.70	565.00	570.80	576.80	583.30	590.00	596.60
	Public Services (€mn CVM 2015 prices)	445.40	450.30	455.20	461.20	468.70	477.90	489.10	500.30	510.70	520.70	531.00	541.70	551.40	561.20	571.70	583.00	594.10
	Transport & storage (€mn CVM 2015 prices)	87.90	89.50	90.70	91.50	92.80	94.80	97.30	99.40	101.30	103.00	104.70	106.50	108.30	110.00	111.80	113.80	115.90
	Utilities (€mn CVM 2015 prices)	66.10	67.60	68.40	68.90	69.50	70.10	70.80	71.50	72.20	72.90	73.60	74.30	74.90	75.40	76.00	76.70	77.40
	Wholesale & Retail (€mn CVM 2015 prices)	209.60	211.90	214.00	215.90	218.60	221.90	226.00	230.20	234.10	237.90	241.60	245.30	248.50	251.60	254.90	258.40	261.80

Analysis Gross Value Added Projections by Industry, Broad Sectors 2017-2033

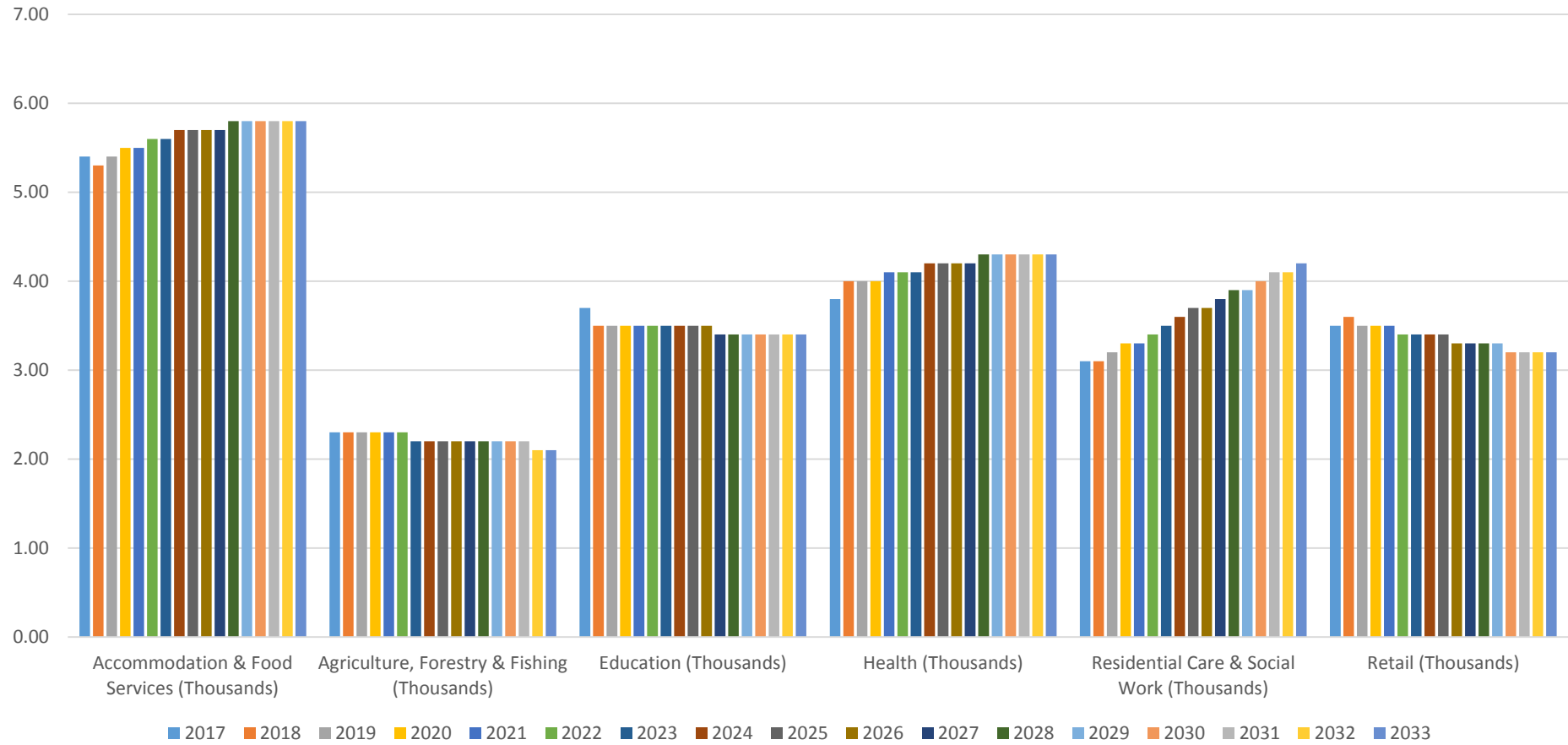
Gross Value Added (GVA) is the measure of the value of goods and services produced in an area, industry or sector of an economy. In terms of Pembrokeshire the two most significant broad sectors of the economy are Public Services (worth £445.4 million in 2017 and projected to rise to £594.1 in 2033) and Professional and other Private Services (worth £490.6 million in 2017, projected to rise to £596.6 million in 2033). It is worth noting that this is despite the fact that the numbers employed as FTEs in Professional and other Private Services is significantly below

that employed by the Public Sector (4.0 thousand in 2017 in comparison with 12.3 thousand) and that the numbers employed in Professional and other Private Services are projected to dip very slightly between 2017 and 2033. Although projected to decline in value between 2017 and 2033, manufacturing will remain an important part of Pembrokeshire's economy, projected to be worth £283.4 million in 2033. Accommodation, Food Services and Recreation are projected to rise from £172.2 million to £218.8 million in 2033. Construction and Wholesale and Retail sectors are both also projected to see increases in GVA between 2017 and 2033, despite falls in the overall numbers employed during that period. Other sectors remain broadly static across the period in terms of GVA. A more detailed breakdown by category is shown in section 1.4

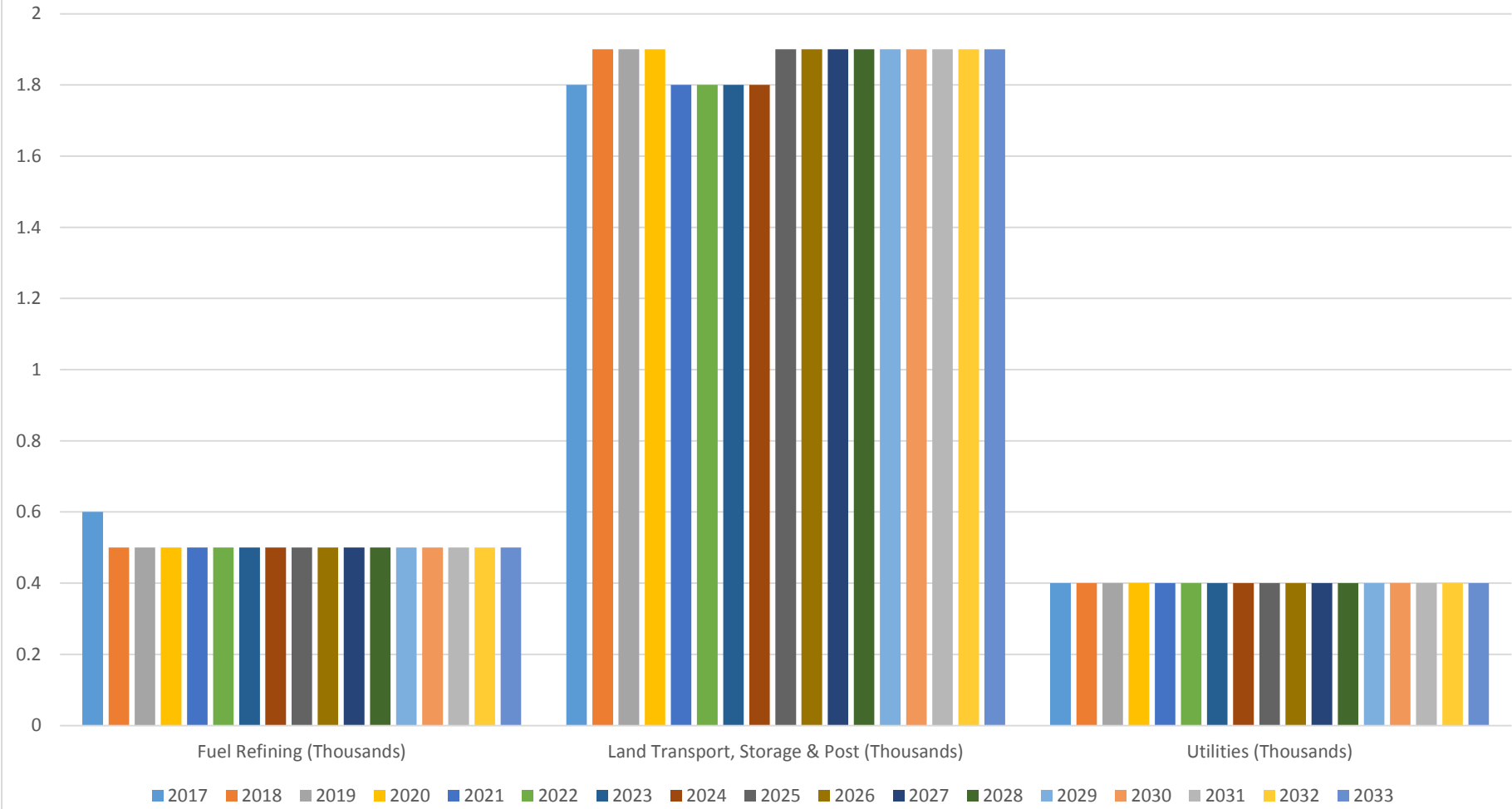
1.3 Pembrokeshire Projections FTE Employees by Category (2017-2033)



Pembrokeshire Projections 6 Largest Employee Categories (FTE) (2017-2033)



Pembrokeshire Fuel Refining, Land Transport, Storage and Post and Utilities Employees
(Thousands) 2017-2033



Pembrokeshire Projections FTE Employees by Category (2017-2033) Table

Category	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Accommodation & Food Services (Thousands)	5.40	5.30	5.40	5.50	5.50	5.60	5.60	5.70	5.70	5.70	5.70	5.80	5.80	5.80	5.80	5.80	5.80
Administrative & Supportive Services (Thousands)	1.30	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.20	1.20	1.20	1.20
Agriculture, Forestry & Fishing (Thousands)	2.30	2.30	2.30	2.30	2.30	2.30	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.10	2.10
Air & Water Transport (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chemicals (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Civil Engineering (Thousands)	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Computer & Electronic Products (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computing & Information Services (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Construction of Buildings (Thousands)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
Education (Thousands)	3.70	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.40	3.40	3.40	3.40	3.40	3.40	3.40
Extraction & Mining (Thousands)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Finance (Thousands)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Food, Drink & Tobacco (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Refining (Thousands)	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Health (Thousands)	3.80	4.00	4.00	4.00	4.10	4.10	4.10	4.20	4.20	4.20	4.20	4.30	4.30	4.30	4.30	4.30	4.30
Insurance & Pensions (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land Transport, Storage & Post (Thousands)	1.80	1.90	1.90	1.90	1.80	1.80	1.80	1.80	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Machinery & Equipment (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

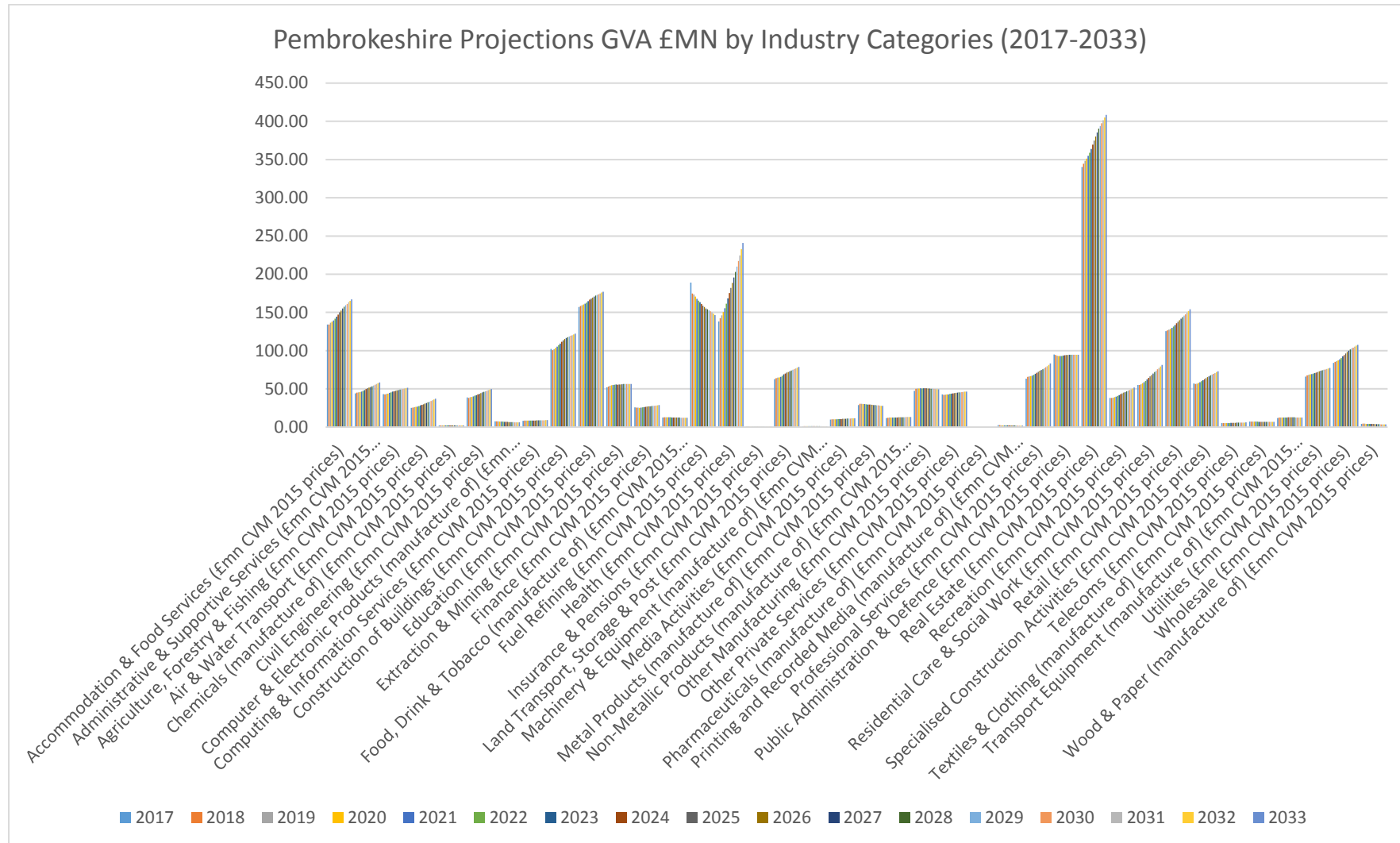
Category	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Media Activities (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metal Products (manufacture of) (Thousands)	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50
Non-Metallic Products (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Manufacturing (Thousands)	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Other Private Services (Thousands)	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Pharmaceuticals (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Printing and Recorded Media (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Professional Services (Thousands)	1.50	1.70	1.70	1.70	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60

Category	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Public Administration & Defence (Thousands)	1.70	1.70	1.70	1.70	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.50	1.50	1.50	1.50	1.50	1.50
Real Estate (Thousands)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Recreation (Thousands)	1.40	1.30	1.30	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.50
Residential Care & Social Work (Thousands)	3.10	3.10	3.20	3.30	3.30	3.40	3.50	3.60	3.70	3.70	3.80	3.90	3.90	4.00	4.10	4.10	4.20
Retail (Thousands)	3.50	3.60	3.50	3.50	3.50	3.40	3.40	3.40	3.40	3.30	3.30	3.30	3.30	3.20	3.20	3.20	3.20
Specialised Construction Activities (Thousands)	1.70	1.60	1.60	1.60	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
Telecoms (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles & Clothing (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transport Equipment (manufacture of) (Thousands)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities (Thousands)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Wholesale (Thousands)	1.90	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.70	1.70	1.70

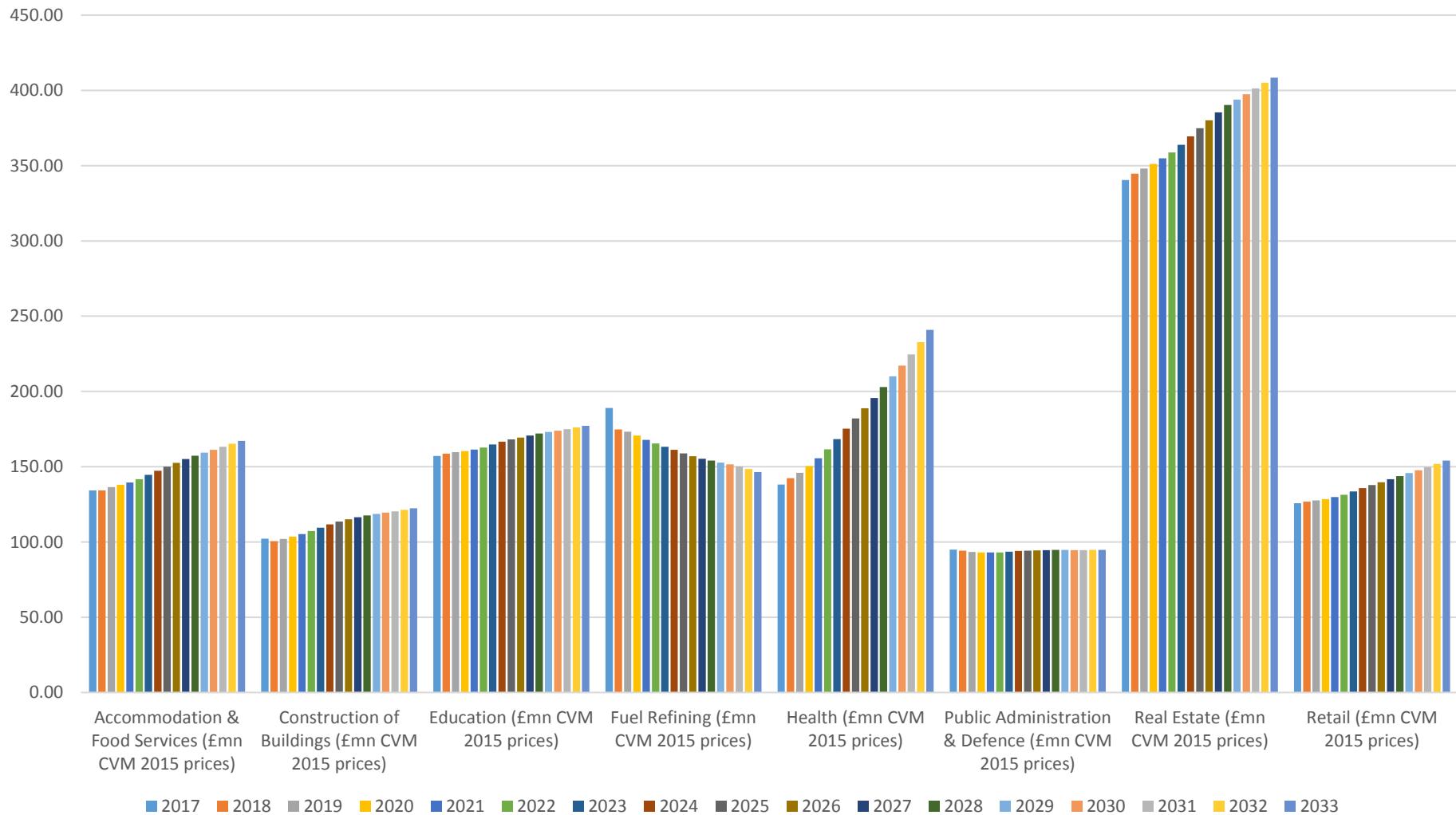
[Analysis of Pembrokeshire Projections FTE Employees by Category \(2017-2033\)](#)

The largest categories in terms of the numbers employed are in Accommodation and Food Services, Health, Residential Care and Social Work, Retail and Agriculture, Forestry and Fishing. Accommodation and Food Services are projected to grow in terms of the numbers employed from 5.4 thousand in 2017 to 5.8 thousand in 2033. Numbers employed in Agriculture, Forestry and Fishing are projected to decline slightly over the period. A small decline in those employed in Education is projected, with increases in the numbers employed in Health and also in Residential Care and Social Work. These changes to some extent reflect forecast population demographic changes, with a falling 0-16 population predicted and an increase in the over 65s population (see section 1.5). It should be noted however that decision in relation to healthcare provision made as part of the Hywel Dda Health Board Transformation Agenda, could impact on employment numbers later on in the Plan period. Numbers associated with Fuel Refining, Utilities (which includes gas supply) and Land transport, Storage and Post (which includes transport via pipelines) are projected to maintain stable levels throughout the Plan period.

1.4 Pembrokeshire Projections GVA £MN by Industry Categories (2017-2033)



Pembrokeshire Projections GVA £MN by 7 largest Industry Categories (2017-2033)



Pembrokeshire Projections GVA £MN by Industry Categories (2017-2033)

		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
GVA by Industry, categories	Accommodation & Food Services (£mn CVM 2015 prices)	134.20	134.20	136.50	137.90	139.50	141.70	144.50	147.30	150.00	152.60	155.10	157.30	159.30	161.20	163.30	165.20	167.20
	Administrative & Supportive Services (£mn CVM 2015 prices)	44.10	45.10	45.40	45.80	46.50	47.50	48.60	49.80	50.80	51.70	52.60	53.50	54.40	55.30	56.30	57.30	58.30
	Agriculture, Forestry & Fishing (£mn CVM 2015 prices)	43.10	42.90	43.50	43.90	44.80	45.60	46.30	46.90	47.40	48.00	48.60	49.10	49.50	49.80	50.30	50.90	51.30
	Air & Water Transport (£mn CVM 2015 prices)	25.30	25.60	26.10	26.50	27.00	27.60	28.40	29.20	30.00	30.70	31.60	32.40	33.30	34.10	35.10	36.10	37.20
	Chemicals (manufacture of) (£mn CVM 2015 prices)	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.20	2.20	2.20	2.20	2.10	2.10	2.10

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Civil Engineering (€mn CVM 2015 prices)	38.80	38.30	39.00	39.60	40.30	41.00	41.90	42.70	43.60	44.40	45.30	46.10	46.80	47.60	48.30	49.10	49.90
Computer & Electronic Products (manufacture of) (€mn CVM 2015 prices)	7.70	7.60	7.50	7.40	7.20	7.10	7.00	6.90	6.80	6.70	6.60	6.60	6.50	6.40	6.30	6.20	6.10
Computing & Information Services (€mn CVM 2015 prices)	8.30	8.50	8.60	8.60	8.60	8.60	8.60	8.70	8.70	8.80	8.80	8.90	8.90	9.00	9.00	9.10	9.20
Construction of Buildings (€mn CVM 2015 prices)	102.20	100.50	102.00	103.50	105.30	107.20	109.40	111.60	113.60	115.10	116.50	117.70	118.70	119.50	120.40	121.40	122.30
Education (€mn CVM 2015 prices)	157.20	158.60	159.60	160.30	161.30	162.70	164.70	166.70	168.10	169.40	170.70	172.10	173.00	173.90	174.90	176.10	177.20

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Extraction & Mining (£mn CVM 2015 prices)	52.2 0	53.1 0	54.1 0	54.6 0	55.1 0	55.4 0	55.6 0	55.5 0	55.6 0	55.9 0	56.2 0	56.3 0	56.5 0	56.5 0	56.5 0	56.5 0	56.4 0
Finance (£mn CVM 2015 prices)	25.8 0	25.4 0	25.4 0	25.3 0	25.5 0	25.8 0	26.2 0	26.5 0	26.9 0	27.1 0	27.3 0	27.5 0	27.7 0	28.0 0	28.3 0	28.6 0	29.0 0
Food, Drink & Tobacco (manufacture of) (£mn CVM 2015 prices)	12.7 0	13.0 0	13.0 0	12.9 0	12.8 0	12.8 0	12.7 0	12.7 0	12.6 0	12.6 0	12.5 0	12.4 0	12.3 0	12.2 0	12.2 0	12.1 0	12.1 0
Fuel Refining (£mn CVM 2015 prices)	189. 10	174. 70	173. 30	170. 70	167. 90	165. 40	163. 30	161. 20	158. 90	157. 00	155. 30	154. 00	152. 80	151. 60	150. 10	148. 40	146. 50
Health (£mn CVM 2015 prices)	138. 20	142. 40	146. 00	150. 40	155. 60	161. 60	168. 40	175. 30	182. 10	188. 80	195. 70	202. 90	210. 00	217. 20	224. 70	232. 80	240. 90
Insurance & Pensions (£mn CVM 2015 prices)	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Land Transport, Storage & Post (£mn CVM 2015 prices)	62.6 0	64.0 0	64.6 0	65.0 0	65.8 0	67.2 0	68.9 0	70.2 0	71.3 0	72.2 0	73.1 0	74.1 0	75.0 0	75.9 0	76.7 0	77.7 0	78.8 0
Machinery & Equipment (manufacture of) (£mn CVM 2015 prices)	1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	1.00	1.00
Media Activities (£mn CVM 2015 prices)	10.0 0	10.2 0	10.2 0	10.3 0	10.3 0	10.4 0	10.6 0	10.7 0	10.8 0	10.9 0	11.0 0	11.1 0	11.2 0	11.3 0	11.4 0	11.5 0	11.6 0
Metal Products (manufacture of) (£mn CVM 2015 prices)	28.8 0	30.5 0	30.4 0	30.3 0	30.1 0	29.9 0	29.6 0	29.6 0	29.5 0	29.2 0	29.0 0	28.8 0	28.6 0	28.4 0	28.2 0	28.0 0	27.9 0

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Non-Metallic Products (manufacture of) (£mn CVM 2015 prices)	12.0 0	12.3 0	12.4 0	12.4 0	12.5 0	12.5 0	12.6 0	12.7 0	12.8 0	12.9 0	13.0 0	13.0 0	13.0 0	13.1 0	13.1 0	13.2 0	13.3 0
Other Manufacturing (£mn CVM 2015 prices)	47.3 0	50.2 0	50.4 0	50.5 0	50.7 0	50.6 0	50.7 0	50.8 0	50.9 0	50.6 0	50.5 0	50.2 0	50.0 0	49.8 0	49.7 0	49.6 0	49.6 0
Other Private Services (£mn CVM 2015 prices)	42.8 0	42.3 0	42.6 0	42.7 0	42.9 0	43.3 0	43.8 0	44.2 0	44.6 0	44.8 0	45.1 0	45.4 0	45.6 0	45.8 0	46.0 0	46.3 0	46.5 0
Pharmaceuticals (manufacture of) (£mn CVM 2015 prices)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Printing and Recorded Media (manufacture of) (£mn CVM 2015 prices)	2.50	2.50	2.40	2.40	2.40	2.30	2.30	2.30	2.20	2.20	2.10	2.10	2.00	2.00	1.90	1.90	1.90
Professional Services (£mn CVM 2015 prices)	63.30	65.60	66.30	66.70	67.30	68.40	69.70	71.10	72.40	73.60	74.70	75.80	77.00	78.30	79.80	81.50	83.30
Public Administration & Defence (£mn CVM 2015 prices)	94.90	94.30	93.40	93.10	93.00	93.10	93.50	94.00	94.20	94.40	94.50	94.70	94.70	94.60	94.60	94.70	94.70
Real Estate (£mn CVM 2015 prices)	340.40	344.70	348.10	351.10	354.80	358.80	363.90	369.50	374.90	380.20	385.40	390.30	393.90	397.40	401.30	405.00	408.50
Recreation (£mn CVM 2015 prices)	38.00	38.00	38.60	39.10	39.90	40.80	41.90	43.00	44.00	45.00	45.90	46.80	47.70	48.60	49.60	50.60	51.70

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Residential Care & Social Work (£mn CVM 2015 prices)	55.0 0	55.0 0	56.1 0	57.3 0	58.8 0	60.5 0	62.5 0	64.4 0	66.3 0	68.1 0	70.0 0	71.9 0	73.8 0	75.6 0	77.4 0	79.4 0	81.3 0
Retail (£mn CVM 2015 prices)	125. 70	126. 70	127. 70	128. 50	129. 80	131. 40	133. 60	135. 70	137. 80	139. 70	141. 70	143. 80	145. 70	147. 60	149. 70	151. 90	154. 10
Specialised Construction Activities (£mn CVM 2015 prices)	57.1 0	56.3 0	56.9 0	57.8 0	58.9 0	60.1 0	61.5 0	62.8 0	64.1 0	65.3 0	66.5 0	67.7 0	68.7 0	69.7 0	70.8 0	71.9 0	72.9 0
Telecoms (£mn CVM 2015 prices)	5.10	5.20	5.20	5.20	5.30	5.40	5.50	5.60	5.70	5.70	5.80	5.80	5.90	5.90	6.00	6.00	6.10
Textiles & Clothing (manufacture of) (£mn CVM 2015 prices)	7.30	7.10	7.10	7.10	7.10	7.10	7.00	7.00	7.00	7.00	7.00	7.00	6.90	6.90	6.90	6.90	6.90

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Transport Equipment (manufacture of) (£mn CVM 2015 prices)	12.00	12.50	12.50	12.60	12.60	12.60	12.70	12.80	12.80	12.80	12.80	12.80	12.70	12.70	12.70	12.60	12.60
Utilities (£mn CVM 2015 prices)	66.10	67.60	68.40	68.90	69.50	70.10	70.80	71.50	72.20	72.90	73.60	74.30	74.90	75.40	76.00	76.70	77.40
Wholesale (£mn CVM 2015 prices)	83.90	85.30	86.30	87.30	88.80	90.40	92.50	94.40	96.30	98.20	99.90	101.50	102.80	104.00	105.20	106.50	107.70
Wood & Paper (manufacture of) (£mn CVM 2015 prices)	4.30	4.50	4.50	4.40	4.30	4.20	4.20	4.10	4.10	4.00	3.90	3.80	3.80	3.70	3.60	3.60	3.50

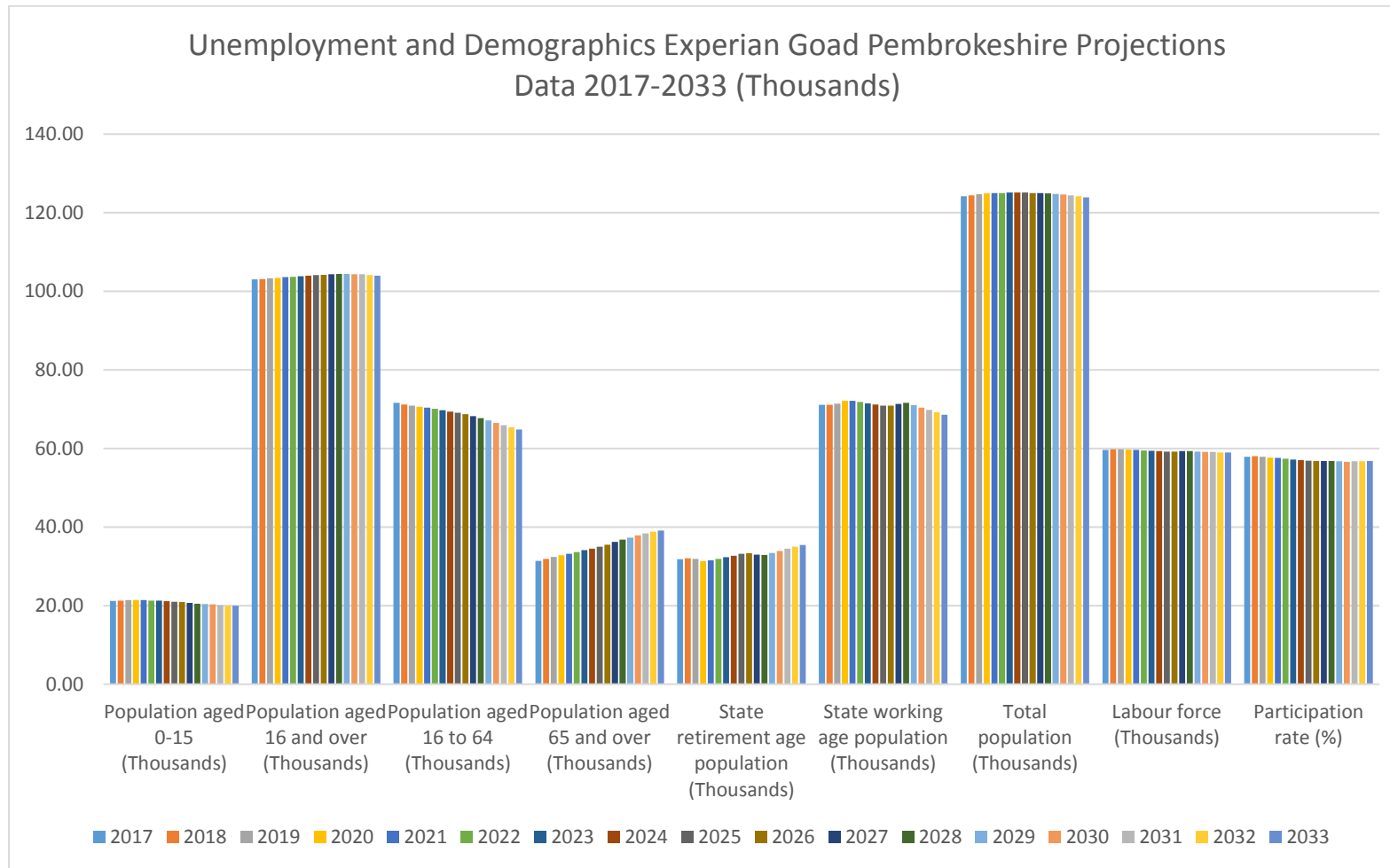
Analysis of Pembrokeshire Projections GVA £MN by Industry Categories (2017-2033)

The seven largest industry categories in terms of GVA, are Real Estate, Health, Fuel Refining, Education, Accommodation and Food Services, Retail and Construction of Buildings. There are therefore a number of sectors which whilst not employing huge numbers of people play a very significant role within the Pembrokeshire economy. In the case of Real Estate – this is worth £340.4 million in 2017, projected to rise to £408.5 million in 2033. Health is worth £138.2 million in 2017, projected to rise to £240.9 in 2033. As noted in section 1.3 changes proposed as part of the Hywel Dda Transformation proposals may impact on healthcare employment in Pembrokeshire. At this stage it is not clear what those impacts will be. The value of Fuel Refining is projected to fall over the plan period from £189.1 million in 2017 to £146.5 million in 2033. In Education, although the FTE employees are projected to decrease, the GVA is projected to increase from £157 million in 2017 to £177.2 in 2033. The Accommodation and Food Services Category is projected to increase in value as well as jobs between 2017 (£134.2 million) and 2033 (£167.2 million). Despite projected falls in the numbers employed in retail up until 2033, the value of the category to the economy is

projected to grow from £125.7 million in 2017 to £154.1 million in 2033. Construction of buildings is a further important category, worth £102.2 million in 2017 and projected to grow to £122.3 in 2033.

Despite projected falls in employment in Agriculture, Forestry and Food over the period, the GVA is predicted to rise. Other categories where GVA is predicted to rise are in Air and Water Transport; Civil Engineering; Computing and Information Services; Extraction and Mining; Finance; Land Transport; Storage and post; Media activities; Non metallic products; Other manufacturing; other private services; professional services; recreation; specialised construction; telecommunications; transport equipment and wholesale.

1.5 Unemployment and Demographic Projections (Thousands) 2017-2033



Unemployment and Demographic Projections (Thousands) 2017-2033 Table

		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Populati on	Populatio n aged 0- 15 (Thousan ds)	21.2 0	21.3 0	21.4 0	21.4 0	21.4 0	21.3 0	21.3 0	21.1 0	21.0 0	20.9 0	20.7 0	20.5 0	20.4 0	20.3 0	20.1 0	20.0 0	20.0 0
	Populatio n aged 16 and over (Thousan ds)	103. 00	103. 10	103. 30	103. 40	103. 60	103. 70	103. 80	104. 00	104. 10	104. 20	104. 30	104. 40	104. 40	104. 30	104. 30	104. 10	104. 00
	Populatio n aged 16 to 64 (Thousan ds)	71.6 0	71.2 0	70.9 0	70.6 0	70.4 0	70.1 0	69.7 0	69.4 0	69.1 0	68.7 0	68.2 0	67.7 0	67.1 0	66.5 0	65.9 0	65.4 0	64.8 0
	Populatio n aged 65 and over (Thousan ds)	31.4 0	31.9 0	32.4 0	32.8 0	33.2 0	33.6 0	34.1 0	34.5 0	35.0 0	35.5 0	36.2 0	36.8 0	37.3 0	37.9 0	38.4 0	38.8 0	39.1 0
	State retiremen t age populatio n (Thousan ds)	31.8 0	32.0 0	31.9 0	31.3 0	31.5 0	31.9 0	32.3 0	32.7 0	33.2 0	33.3 0	33.0 0	32.9 0	33.4 0	33.9 0	34.5 0	35.0 0	35.4 0

	State working age population (Thousands)	71.10	71.10	71.40	72.10	72.10	71.80	71.50	71.20	70.90	70.90	71.30	71.60	71.00	70.40	69.80	69.20	68.60
	Total population (Thousands)	124.20	124.40	124.70	124.90	125.00	125.00	125.10	125.10	125.10	125.00	125.00	124.90	124.80	124.60	124.40	124.20	123.90
	Labour force (Thousands)	59.60	59.80	59.80	59.70	59.60	59.50	59.40	59.30	59.20	59.20	59.30	59.30	59.20	59.10	59.10	59.00	59.00
	Participation rate (%)	57.90	58.00	57.90	57.70	57.60	57.40	57.20	57.00	56.90	56.80	56.80	56.80	56.70	56.60	56.70	56.70	56.80

Analysis of Summary Statistics for Labour Market

The Experian model is sequential and driven by population dynamics, which impact labour force (supply side) and employment (demand side). The population projections indicate an ageing population structure with younger age population (age 16 to 64) declining and old age population (65 above) increasing over the forecast horizon e.g. for Pembrokeshire. The labour force (a supply side factor), is driven by demographics, population and participation rates. As the proportion of younger population (which have a

higher participation rate) decline and the proportion of older age population increase, the overall participation rate slows down. As a result, the labour force projections for Pembrokeshire as a whole slows down over the forecasting period.¹

¹ NB: Note that figures are for Pembrokeshire as a whole. Edge Analytics Pembrokeshire Demographic Study (2018) shows a difference in population between the area outside the Pembrokeshire Coast National Park Authority (the LDP Plan area) and that within over the period up to 2033, with the area outside the Park continuing to grow in population up until 2033, but the County as a whole declining.

1.6 Workforce Jobs (2017-2033)



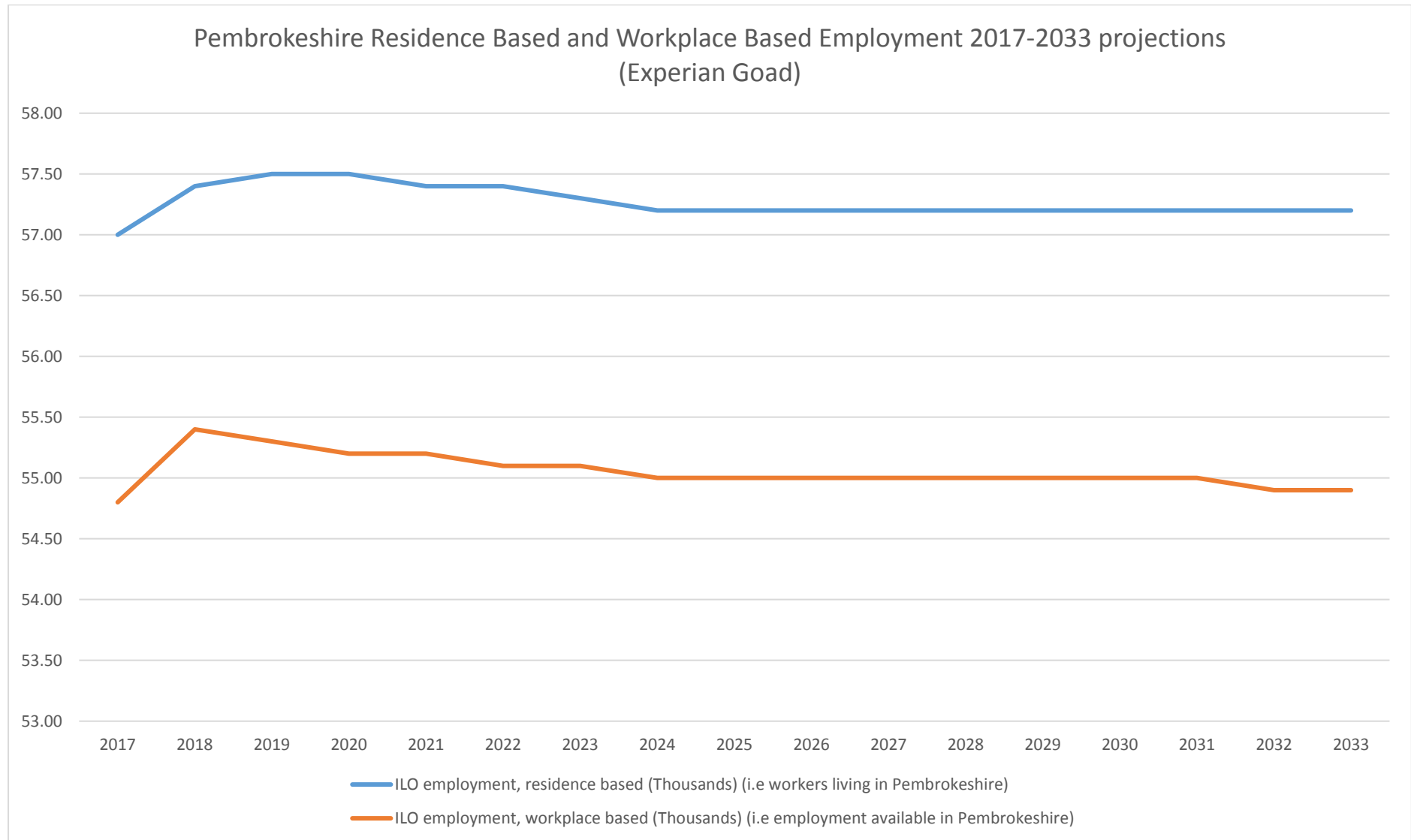
Projected Workforce Jobs (2017-2033) Table

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Workforce jobs (projected demand) (Thousands)	62.20	63.30	63.30	63.30	63.40	63.50	63.60	63.70	63.80	63.90	64.00	64.10	64.20	64.30	64.30	64.40	64.40

Analysis of Projected Workforce Jobs (2017-2033)

While total workforce jobs (demand side) in Pembrokeshire is increasing over the forecast horizon, it does so at a marginal pace (from 62.2 thousand in 2017 to 64.40 thousand in 2033, an increase of **2,200 jobs in total**). The 2,200 jobs reflect the jobs number, and not the number of people likely to be employed as one person might undertake more than one job. As can be seen from the previous section, particular growth is projected in jobs linked to Accommodation and Food and also Health and Social Care.

1.7 Comparison of Residence Based and Workplace Based Employment (2017-2033)



Comparison of Residence Based and Workplace Based Employment (2017-2033) Table

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ILO employment, residence based (Thousands) (i.e workers living in Pembrokeshire)	57.00	57.40	57.50	57.50	57.40	57.40	57.30	57.20	57.20	57.20	57.20	57.20	57.20	57.20	57.20	57.20	57.20
ILO employment, workplace based (Thousands) (i.e employment available in Pembrokeshire)	54.80	55.40	55.30	55.20	55.20	55.10	55.10	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	54.90	54.90

Analysis of Residence Based and Workplace Based Employment (2017-2033)

The number of people living in Pembrokeshire who are employed (residence-based employment) is estimated to increase (slightly) over the plan period. The workplace-based employment indicator in the economic forecast provides the critical 'person-based' measure of employment in Pembrokeshire. This is in comparison with the workforce jobs indicator, which is a count of jobs (as one person might occupy more than one job). The Experian forecast estimates a +100 growth in workplace-based employment over the 2017-2033 period, an average of +6 per annum. This suggests that many of the 2,200 jobs projected under the workforce jobs indicator are part time in nature.

The Experian data suggests that the unemployment rate will reduce from 4.5% in 2017 to 3.2% by 2033. The balance between the *residence-based-employment* and the *workplace-based-employment* remains relatively stable over the forecast period, implying a continuing net out-commute.

Section 2 – Summary and Conclusions

The data on Employees in FTE shows the dominance of the public sector in terms of numbers employed in Pembrokeshire. This is projected to continue between 2017-2033, despite austerity measures. The balance between different categories within this overall sector however is forecast to change between 2017 and 2033, with projected declines in some categories (such as Education) and projected increases in others (Health and Residential care and social work), reflecting broader projected changes to the overall population structure within Pembrokeshire.

The Accommodation, Food Services and Recreation sector is the second largest sector in terms of employee numbers in Pembrokeshire and is projected to grow both in terms of employee numbers and GVA between 2017 and 2033.

The Wholesale and Retail Sector is set to decline slightly in terms of those employed in retail over the period 2017-2033, but with GVA projected to continue to grow. This is likely to reflect the increasing move to online shopping.

The Construction sector is set to stay broadly similar in terms of employee numbers over the period, but with projected increases in GVA. Within the sector there will be growth in a number of areas including specialised construction.

Agriculture, Forestry and Fishing as a sector is projected to see small reductions in those employed, but with increases projected in GVA.

In terms of Pembrokeshire's GVA the two most significant broad sectors of the economy are Public Services (worth £445.4 million in 2017 and projected to rise to £594.1 in 2033) and Professional and other Private Services (worth £490.6 million in 2017, projected to rise to £596.6 million in 2033). It is worth noting that this is despite the fact that the numbers employed as FTEs in Professional and other Private Services is significantly below that employed by the Public Sector (4.0 thousand in 2017 in comparison with 12.3 thousand) and that the numbers employed in Professional and other Private Services are projected to dip very slightly between 2017 and 2033. Although projected to decline in value between 2017 and 2033, Manufacturing will remain an important part of Pembrokeshire's economy, projected to be worth £283.4 million in 2033.

The Experian model is influenced by population projections, which indicate an ageing population structure with younger age population (age 16 to 64) declining and old age population (65 above) increasing over the forecast horizon for Pembrokeshire. These changes mean that the projections indicate a decline in the overall participation rate and labour force projections for Pembrokeshire as a whole slows down over the forecasting period. The labour force is defined as the number of people that are economically active in Pembrokeshire; either employed (residence-based-employment) or unemployed. The Experian forecast estimates a small decline in the size of the labour force to 2033, but the number of people living in Pembrokeshire who are employed (residence-based-employment) is estimated to increase (slightly) over the plan period.

The demand side projections (Workforce jobs) show a demand for 2,200 new jobs between 2017 and 2033. The workforce jobs indicator is a count of jobs, not people, in which one person might occupy more than one job). The Experian forecast estimates a +100 growth in workplace-based-employment over the 2017–2033 period, an average of +6 per annum. The difference in these two figures highlights the fact that many of the 2,200 jobs projected may be part-time or low paid in nature. This is likely to reflect the employment categories in which growth is projected - Accommodation and Food Services and Health and Social Services. A continued net-out commute is projected given the disparity between projected residence-based employment and workplace-based employment figures.

As part of its LDP Review Pembrokeshire County Council will need to consider how it can best support the development of new jobs, particularly in key growth sectors such as Accommodation, Food Services and Recreation as well as responding to some of the wider demographic and associated accommodation requirements indicated by the projected increases in the over 65 growth. Consideration will also need to be given to how policy decisions by key employers such as the Local Health Board and Ministry of Defence might impact on the local economy. Policy approaches to encourage growth in areas not projected to increase may be identified given that projected growth is largely likely to be in lower paid part-time roles and also in response to the evidence that a continued net-out commute of population for jobs is anticipated.

Further analysis on the need for additional floorspace and other economic policy approaches will take place through a Regional Economic Study which will help to establish land use requirements from these projections for the Deposit LDP. Further analysis will also take place in light of any changes to circumstances resulting from Britain exiting the EU in 2019.