

Technical Annex

9th November 2015 Date

Subject Labour Supply Sensitivity Tests

Introduction 1.0

- NLP's July 2015 report: 'Review of the Objectively Assessed Need for Housing 1.1 in Sefton' [ROANH], analysed the implications of the 2012-based Sub-National Household Projections [SNHP] on the objectively assessed need for housing in Sefton Borough. In line with the Planning Practice Guidance, these represent the starting point for objectively assessed housing need (albeit not necessarily the end-point).
- NLP undertook a detailed modelling exercise incorporating the latest 1.2 household projections and other data sources including the latest econometric job projections from respected forecasting houses Experian and Oxford Economics. Due to the particular characteristics of Sefton's ageing population (and the lower level of economic activity associated with older residents), when set against job forecasts that appeared to buck the long term trend of decline, the modelling suggested a very wide range of potential future outcomes for housing need.
- The report concluded that, based on the staged approach to identifying the 1.3 housing OAN as set out in the Practice Guidance, the demographically-driven objectively assessed housing need [OAN] would equate to 690 dpa, whilst to address economic needs and to make a meaningful contribution to affordable housing delivery, the economic-led OAN range would be higher, at between 710 dpa - 1,290 dpa. Specifically:
 - 1 The demographically driven housing OAN, at 690 dpa, represents the outcome of the staged approach to identifying the housing OAN as set out in the Practice Guidance. It takes the Department for Communities and Local Government's [CLG's] latest household projections as its starting point (604 dpa 2012-2030, including an allowance for vacant/second homes), adjusts this to 627 dpa to accelerate the household formation rate of the younger age groups, and finally uplifts this figure by 10% to 690 dpa to address worsening market signals and past under-delivery.
 - 2 Such an approach meets Sefton Council's demographic requirements in full; represents a substantial boost on the amount of housing that has been delivered in the past (387 dpa over the past 11 years) and exceeds the LEP's baseline projection of job growth. However, due to the demographic challenges facing the Borough (with a very substantial

- ageing of the population), even this level of dwelling provision would lead to a decline in the total number of jobs between 2012 and 2030;
- Taking an economically-driven housing OAN approach which doesn't lead to a decline in jobs over time, a figure of **710 dpa** would effectively stabilise the economy and ensure that at the very least the number of jobs based in the Borough stays the same between 2012 and 2030;
- 4 Moving upward, a figure of 780 dpa would align with the current LEP's Policy On growth aspirations (+900 jobs), whilst at the very top end, a figure of **1,290 dpa** would align with the 'blended average' of the Experian and OE job growth projections in the Borough, equivalent to an additional 10,099 jobs by 2030. A delivery figure at the top end of the range would also go a meaningful way to addressing the high level of affordable housing need identified in the Council's 2014 SHMA (of 434 dpa, or 1,447 dpa based on 30% delivery).
- Whilst recognising that this would be very challenging to deliver and have significant implications for adjoining authorities, it was considered that greater weight could be attached to a housing need figure towards the upper end of the 710 dpa 1,290 dpa economically driven OAN range as this would reflect the most recent economic projections for the Borough and begin to realistically address affordable housing needs.
- Clearly a relatively wide housing OAN range was identified in the ROANH, whilst work relating to the Council's emerging Employment Land and Premises Study (undertaken by BE Group) was still ongoing at the time. The July 2015 NLP report therefore recommended that Sefton Council should consider commissioning further work to refine the point on the OAN range that Sefton should be seeking to target as its housing requirement.
- This Technical Annex reports the findings of this additional modelling work, which has involved NLP undertaking a series of sensitivity tests to the key PopGroup model runs set out in the July 2015 ROANH. The sensitivity tests explore the dwelling requirements resulting from changes to selected key assumptions concerning economic activity and unemployment rates. These assumptions have resulted from labour supply work undertaken by BE Group/Ekosgen¹.

2.0 Data Input Assumptions

The Practice Guidance is clear that as part of the assessment of housing need, employment trends should be taken into account through an assessment of the likely change in job numbers based on past trends and/or economic forecasts as appropriate and also having regard to the growth of the working age

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¹BE Group and Ekosgen (October 2015): "Assessment of Labour Supply Implications, A Report for Sefton Council"

population in the HMA. Any cross-boundary migration assumptions (particularly where one area decides to assume a lower internal migration figure than the HMA figures suggest) will need to be agreed with the other relevant LPA under the Duty to Co-operate (DtC). Failure to do so will mean that there would be an increase in unmet housing need. Furthermore:

"Where the supply of working age population that is economically active (labour force supply) is less than the projected job growth, this could result in unsustainable commuting patterns (depending on public transport accessibility or other sustainable options such as walking or cycling) and could reduce the resilience of local businesses. In such circumstances, plan makers will need to consider how the location of new housing or infrastructure development could help address these problems."2

In terms of how NLP interpreted this guidance to translate population into jobs in the July 2015 ROANH study, the key assumptions were as follows:

- Projected migration under the 2012-SNPP based scenarios is taken from the age-specific numbers of in and out internal and international migrants as projected. For the economic-led scenarios, migration is 'flexed' (i.e. inflated or constrained) in order to produce a population and labour force sufficient to support the given level of job change;
- b To calculate **unemployment** rates, the latest (at the time of modelling) Annual Population Survey³ data indicated that the pre-recession unemployment rate for Sefton was 5.8%. Hence the modelling utilised a projection on the basis that rates would return to this by 2020, as it is more reflective of out-of-recession trends. This rate was held constant from 2020 to 2030. For the years 2012, 2013 and 2014, the actual figures (as reported by the Annual Population Survey) were used, with the decline to 5.8% beginning post-2014.
- Age and gender-specific **economic activity rates** are used. The basis С for this is the 2011 Census⁴, and for age groups up to 65-69 the ONS 2006-based Labour Force Projections [LFP] have been applied. In addition, allowances have been made (for 65-69) for the increases in State Pension Age which will occur in 2018-2020 and 2026-2028. In the oldest age groups (70+), the ONS Labour Force Projections significantly underestimated the economic activity rate, projecting a slight decline in male rates over the period 2006-2020 and female rates to remain static. Therefore an alternative assumption has been adopted, whereby rates are projected to reach a mid-point between the ONS Labour Force

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²Practice Guidance, §2a-018-20140306 ³The Annual Population Survey, which is conducted on a quarterly basis by the ONS, provides data that can produce reliable estimates at local authority level. Key topics covered in the survey include education, employment, health and ethnicity. ⁴ Given the 2011 Census only provides rates for older age groups as a single '65 and over' age group, an estimate of older age economic activity (necessary in order to accurately project the labour force) has been calculated based on the decline in economic activity over the life course from the 2001 Census, which provided rates up to age 65-69 and 70-74.

- Projections and a linear trend based on growth between 2001 and 2011. These rates were then held constant.
- Regarding the **commuting rate (or labour force ratio)** the PopGroup model used 2013 data regarding the number of employed residents (based on the number of economically active people taken from the Annual Population Survey, less those unemployed) and the number of jobs (i.e. employment plus self-employment) in Sefton, taken from the most recent Experian publication (in this case, May 2015). This indicated a Labour Force ratio of 1.28 for 2013. This figure takes into account commuting patterns as well as double-jobbing (as it is a ratio of employed residents to jobs in the Borough). This was held constant over the projection period to 2030.
- 2.3 NLP therefore assumed that commuting rates would remain broadly constant over time, whilst both the unemployment rate and economic activity rates assumed a degree of improvement over the course of the plan period.
- As this essentially assumes that a greater proportion of the resident population for particular age cohorts are likely to be in employment in 2030 than they are in 2012, this has a dampening effect on housing demand as fewer in-migrants are needed to move into Sefton to take up the job opportunities likely to arise. In addressing any further potential shortfall in the economically-active population, the adjustment necessarily falls on migration.
- 2.5 Having applied these assumptions, the outputs of the key scenarios underpinning the OAN range in the July 2015 ROANH study are set out in Table 2.1.

Table 2.1 Key Model Outputs - Demographic and Economic Led Scenarios

	Demogr	aphic-Led	Econo	mic-led		
	Scenario A: 2012 SNPP, 2012 Headship Rates	Scenario Ai: 2012 SNPP, Partial Catch-up to 2008 Headship Rates	Scenario E: Job Stabilisation (0 Jobs)	Scenario H: Blended Jobs (Experian, OE)		
Population Change	+4,961	+4,961	+10,114	+35,652		
of which natural change	-5,650	-5,650	-5,768	-839		
of which net migration	+10,611	+10,611	+15,883	+36,491		
Household Change	+10,368	+10,766	+12,229	+22,071		
Dwelling Change	+10,874	+11,291	+12,825	+23,147		
Dwellings p.a. to 2030	+604	+627	+712	+1,286		
Labour Force	-2,922	-2,922	+668	+14,394		
Jobs	-2,642	-2,642	+0	+10,099		
Jobs p.a.	-147	-147	+0	+561		

Source: NLP using PopGroup

- The Table demonstrates that, based on the assumptions applied by NLP in the 2.6 PopGroup modelling, and due to the ageing population and the concurrent reduction in the labour force, there would need to be over 712 dwellings provided annually before the number of jobs begins to increase over and above the level achieved in 2012.
- These assumptions represent the modellers' professional judgement, are 2.7 relatively conservative and have been found sound at a number of Local Plan EiPs and appeals. This approach aligns with that set out in the Planning Advisory Service's 'Technical Advice Note on Objectively Assessed Need and Housing Targets':

"It is important to avoid unrealistic assumptions on the relationship between housing, population and jobs. A number of housing assessments have been criticised by Inspectors for expecting very fast increases in economic activity rates. Such increases reduce the population growth, and hence number of homes, that is required to support a given number of new jobs. But unrealistic figures put the emerging plan at risk".5

- There is clearly an element of judgement to be attached to the selection of the 2.8 data inputs and how these are likely to change over time. This has been recognised in the recent High Court judgement between Kings Lynn and West Norfolk Borough Council versus CLG and Elm Park Holdings Ltd⁶.
- In that Judgment, Mr Justice Dove confirmed that in meeting household and 2.9 population projections taking account of migration and demographic change, the Practice Guidance illustrates that this is:

"a statistical exercise involving a range of demographic data for which there is no one set methodology, but which will involve elements of judgement about trends and the interpretation and application of the empirical material available. These judgements will arise for instance in relation to whether, for example, adjustments for local demography or household formation rates are required, and the extent and nature of adjustments for market signals. Judgement will further be involved in taking account of economic projections in undertaking this exercise." [§34]

These judgements can make a significant impact on the housing OAN, and 2.10 particularly for the employment-led scenarios. On this basis, and following the production of BE Group/Ekosgens' "Assessment of Labour Supply Implications Report' in October 2015 and the availability of new data within that document, Sefton Council requested that NLP run a series of further sensitivity tests. This concerned the assumptions regarding economic activity rates and unemployment change over the course of the plan period to help inform the

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⁵Prepared for PAS by Peter Brett Associates (July 2015): Objectively Assessed Need and Housing Targets: Technical advice note, second edition, paragraph 8.15

⁶Citation Number: [2015] EWHC 2464 (Admin)

debate as to where the appropriate OAN lies within the wider range identified in the ROANH study.

A further sensitivity test suggested by BE Group/Ekosgen was for NLP to begin calculating the level of housing need using 2015 as a starting point, rather than 2012, "reflecting the fact that a significant proportion of employment growth between 2012 and 2015 is likely to be replacement demand and generate limited demand for housing" [page 4]. However, even under the highest growth scenario (the 'Blended' job growth approach), the 2015-2030 housing need would still be 1,230 dpa, down just 56 dpa from the 2012-2030 figure of 1,286 dpa. This is because although much of the forecast job growth would have already occurred prior to 2015, the key issue is a rapidly dwindling workforce from 2017 onwards. This means that more and more migrants are required to stabilise the workforce even if job growth is relatively low. Given the marginal difference between the two approaches, and due to the need to provide an OAN in line with the Local Plan period (2012-2030), this sensitivity test was not explored further.

Therefore to the four scenarios set out in Table 2.1 above, the following amendments were made to the economic activity rates and, separately, the unemployment rates (with all other inputs the same as before).

Economic Activity Rates

2.13 Following advice received from BE Group/Ekosgen in their October 2015 note, "Assessment of Labour Supply Implications", Sefton Council requested that NLP model the following adjustments to economic activity rates (with the results summarised in Table 2.2):

- Assume that current 65+ trends for economic activity continue over the Local Plan period;
- Using the Sefton 2012-based SNPP for 2030, apply this uplift to the population aged 65+ by five-year age bands and gender in proportion to existing participation levels to estimate the specific economic activity rates for each group.

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Table 2.2 Economic Activity Rate Comparison 2012-2030

		Males			Females	
	2012	2030 NLP	2030 BE Group / Ekosgen	2012	2030 NLP	2030 BE Group / Ekosgen
15-19	38%	39%	39%	40%	42%	42%
20-24	84%	85%	85%	79%	82%	82%
25-29	90%	93%	93%	82%	87%	87%
30-34	89%	92%	92%	80%	85%	85%
35-39	87%	91%	91%	80%	84%	84%
40-44	88%	91%	91%	82%	86%	86%
45-49	88%	91%	91%	82%	86%	86%
50-54	84%	88%	88%	78%	85%	85%
55-59	75%	80%	80%	68%	76%	76%
60-64	54%	59%	59%	37%	49%	49%
65-69	22%	29%	52%	16%	23%	35%
70-74	11%	14%	21%	7%	9%	15%
75-79	6%	7%	11%	3%	4%	7%
80-84	3%	3%	5%	1%	2%	3%
85+	1%	2%	3%	1%	1%	1%

Source: NLP using PopGroup / BE Group/Ekosgen inputs

According to the principles underpinning BE Group/Ekosgens' approach, the economic activity rate for each of the 65+ age cohorts in 2030 is lower than the rate of the age group below in 2012. For example, the economic activity rate of 70-74 year old males in 2030 (21%) is assumed to be less than the 2012 economic activity rate for 65-69 year old males (22%).

As can be seen from Table 2.2, the largest uplift occurs for residents aged 65-69 (52%/35% based on BE Group/Ekosgens' assumptions, compared to 29%/23% for Males/Females based on NLP's usual approach) and, to a lesser extent, people aged 70-74.

Unemployment

Following advice received from BE Group/Ekosgen in their October 2015 note, "Assessment of Labour Supply Implications", Sefton Council requested that NLP model the following adjustments to unemployment rates (with the results summarised in Table 2.3):

> Assume a single unemployment rate for all age groups (in line with NLP's current approach);

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- The current assumption is that unemployment will be in line with the long term pre-recession average for Sefton (5.82%) in 2030. This is higher than the current rate of unemployment (5.3% July 2014 – June 2015, ONS Annual Population Survey);
- Assume that unemployment converges on a long-term average of 4%;
- This is 70% of the pre-recession average level in Sefton. According to BE Group/Ekosgen, this will reflect current public policy and restrictions on the groups that are able to access welfare in the future (see page 4 of "Assessment of Labour Supply Implications".

Table 2.3 Unemployment Rate Comparison 2012-2030

	NLP	BE Group/Ekosgen
2012	8.3%	8.3%
2013	9.1%	9.1%
2014	6.2%	6.2%
2015	6.1%	6.1%
2016	6.1%	6.1%
2017	6.0%	6.0%
2018	5.9%	5.9%
2019	5.9%	5.9%
2020	5.8%	5.8%
+	1	and reduced to 4% pro-rata by 2030
2030	5.8%	4.0%

Source: NLP using PopGroup / BE Group/Ekosgen inputs

3.0 Results

The results of these additional sensitivity tests are set out in Table 3.1 and Table 3.2, with the original July 2015 ROANH results compared to the adjusted economic activity and unemployment rates:

Table 3.1 Comparator Model Outputs - Demographic Led Scenarios

		A: 2012 SN eadship Rat		Scenario Ai: 2012 SNPP, Partial Catch-up to 2008 Headship Rates						
	ROANH	Ec Ac	Unemp	ROANH	Ec Ac	Unemp				
Population Change	4,961	4,961	4,961	4,961	4,961	4,961				
of which natural change	-5,650	-5,650	-5,650	-5,650	-5,650	-5,650				
of which net migration	10,611	10,611	10,611	10,611	10,611	10,611				
Household Change	10,368	10,368	10,368	10,766	10,766	10,766				
Dwelling Change	10,874	10,874	10,874	11,291	11,291	11,291				
Dwellings p.a. to 2030	604	604	604	627	627	627				
Labour Force	-2,922	2,693	-2,922	-2,922	2,693	-2,922				
Jobs	-2,642	1,490	-812	-2,642	1,490	-812				
Jobs p.a.	-147	83	-45	-147	83	-45				

Source: NLP using PopGroup

Table 3.2 Comparator Model Outputs - Employment-Led Scenarios

		E: Job Sta Job Growt		Scenario H: Blended Jobs (Experian, OE)						
	ROANH	Ec Ac	Unemp	ROANH	Ec Ac	Unemp				
Population Change	10,114	394	5,769	35,652	25,582	30,857				
of which natural change	-5,768	-6,516	-6,090	-839	-1,608	-1,192				
of which net migration	15,883	6,910	11,860	36,491	27,191	32,049				
Household Change	12,229	8,499	10,560	22,071	18,208	20,229				
Dwelling Change	12,825	8,913	11,075	23,147	19,095	21,216				
Dwellings p.a. to 2030	712	495	615	1,286	1,061	1,179				
Labour Force	668	668	-1,840	14,394	14,394	11,626				
Jobs	0	0	0	10,099	10,099	10,099				
Jobs p.a.	0	0	0	561	561	561				

Source: NLP using PopGroup

The two tables indicate that the sensitivity tests exert a downward influence on the level of housing need related to the two employment-led scenarios, whilst boosting the level of job growth under the two demographic projections. The reduction is particularly pronounced for the economic activity adjustments.

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The two demographic scenarios generate identical results with the exception of the number of households and dwellings required under each, as the data inputs are identical with the exception of headship rates. Whilst the level of population growth, household change and dwelling need remains unchanged for these two scenarios, by increasing the number of economically active residents over the age of 65 in the Borough by 2030, the number of jobs would increase from -2,922 to +1,490 (a change of 4,132). Reducing the number of unemployed residents more sharply than before would have a less pronounced effect on the number of jobs based in the Borough, with a difference of 1,830. The change in jobs would still be negative under this sensitivity test for Scenarios A and Ai, at -812.

For the two employment-led scenarios, the sensitivity tests exert a more pronounced influence. This time, as the job output is the element of the modelling that is constrained, it does not change from before. However, as both sensitivity tests allow job targets to be reached by enabling more existing local residents to remain/enter the job market, the difference to be made up by economic in-migrants is much lower, leading to a reduction in their housing needs. Therefore for the economic activity sensitivity test, to stabilise the local economy would require just 495 dpa compared to 712 dpa in the ROANH scenario. This would require a very low level of population growth, at just 394, less than a tenth of the level of growth indicated by the latest 2012-based population projections and therefore its realism is questionable.

For the unemployment sensitivity test to Scenario E, the housing requirement is around 100 dpa lower than before. Because net job growth is held at zero, there would actually be a reduction in the labour force overall as a greater proportion of the existing residents would be in employment.

Finally, for Scenario H, the economic activity sensitivity test would reduce the dwelling need by 225 dpa, down to 1,061 dpa. The level of population change necessary to sustain an annual job growth of 561 would also reduce significantly, by over 10,000 from the ROANH model (almost all of which would be due to a concurrent reduction in net migration). As for the unemployment sensitivity test, this almost represents a halfway house between the two other scenarios, with a dwelling need of 1,179 dpa and population growth of 30,857 compared to 35,652 in the ROANH.

Discussion

This note has been prepared by NLP at the request of Sefton Council to analyse the implications of certain sensitivity tests, based on suggestions made by BE Group/Ekosgen in their paper "Assessment of Labour Supply Implications" on changes to economic activity and unemployment rates in the Borough.

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- It is recognised that the previous ROANH (in paragraphs 7.40-7.41) stated that the only alternatives to a significant reversal of migratory trends necessary to underpin job growth at the scale forecast by the blended job growth scenario would be through:
 - a change in commuting patterns;
 - increased economic activity rates/reduced unemployment; or
 - planning for a mix of housing that encouraged economically active residents to stay/move into the Borough.
- The report noted that this was a policy choice for the Council to make, rather than OAN considerations. That said, the choice of commuting, economic activity and unemployment rates and how these are likely to change over the course of the Plan period have always been part of the reasoned professional judgement applied by demographic modellers when determining the inputs to the PopGroup model.
- These elements of judgement about trends and the interpretation and application of the empirical material available is recognised in the recent Kings Lynn High Court judgement⁷ to be appropriate when identifying the housing OAN. The key issue is at which point the data inputs move away from being reasoned professional judgements and more towards policy-driven, aspirational figures.
- For example, the PAS Guidance states that a risky approach is to plan for recalling commuters, so the ratio of workplace jobs to resident workers is assumed to rise over the plan period so that more jobs can be accommodated for a given number of dwellings:

"The expected shift in commuting should be believable and acceptable to the other local authorities affected by it. Strategies of recalling commuters should not be adopted unilaterally; they require cross-boundary agreement in line with the Duty to Co-operate" [8.16]

- At this moment in time we understand there is no agreement between Sefton and adjoining authorities as to commuting patterns. Consequently, this was not explored as a sensitivity test.
- However, changes to the economic activity and unemployment rates were examined in further detail. The justification for these as realistic scenarios is set out in detail in BE Group/Ekosgens' note, "Assessment of Labour Supply Implications".
- Ostensibly, the sensitivity test involving an increase in economic activity rates for the older age cohorts could have the most significant reduction on housing need for the employment-led scenarios. However, NLP has concerns

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⁷Citation Number: [2015] EWHC 2464 (Admin)

regarding the extent to which BE Group/Ekosgens' assumption moves more towards a policy choice and away from being a realistic adjustment based on empirical research and evidence.

An alternative approach would be to adopt the economic activity rates that were forecast for the UK as a whole in the Office for Budget Responsibility's Fiscal Sustainability Report (July 2014). To do this would involve the assumption that the economic activity rates within Sefton reflect the national average.

A summary of the employment and economic activity rates associated with each of these options is set out in Table 4.1. It is conceded that this does not quite compare like with like, with economic activity likely to be slightly higher than employment rates. However even so there appears to be a much stronger correlation (particularly for males) with the NLP approach underpinning the ROAHN, than the suggested approach by BE Group/Ekosgen. In particular, it is considered unlikely that economic activity rates for males in Sefton are likely to rise from 22% currently, to 52% in 2030, whilst even at a national level, employment rates are only forecast to increase from 24% to 32% for that age category over the same time period.

Table 4.1 Comparator Model Outputs – Employment Rates

		l	JK	Sefton Borough								
			nployment ites)		conomic Rates)	BE Group/Ekosgen (Economic Activity Rates)						
		2012 2030		2012	2030	2012	2030					
Males	65-69	24%	32%	22%	29%	22%	52%					
wates	70-74	10%	13%	11%	14%	11%	21%					
Females	65-69	15%	29%	16%	23%	16%	35%					
remales	70-74	5%	11%	7%	9%	7%	15%					

Source: OBR Fiscal Sustainability Report / NLP/2011 Census / BE Group/Ekosgen

For this reason, it is considered that the suggested changes to the economic activity rate would be so extreme for these age categories as to move beyond the bounds of a realistic judgement and more towards an aspirational policy choice for the Council to apply.

As for the unemployment rate, BE Group/Ekosgen considered that this will reflect current public policy and restrictions on the groups that are able to access welfare in the future. According to BE Group/Ekosgen, and based on the SNPP for 2030, this is equivalent to 2% of people aged 16+ being unemployed and falls between the Oxford Economics and Experian long term forecasts for unemployment.

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To summarise, it is considered that greater weight can be placed upon the unemployment sensitivity tests than for the economic activity rate adjustments. The remaining scenarios are presented in Figure 4.1.

1,400 1,200 1,179 1,000 Dwellings per annum 800 600 627 627 604 400 200 0 Scenario A: 2012 Scenario Ai: PCU Scenario E: Constant Scenario H: Blended Job Growth SNPP Job Growth ROANH Unemployment Sensitivity Source: NLP

Figure 4.1 Sefton Scenario Modelling Comparison

5.0 Conclusion on Housing OAN Range

The following points summarise NLP's revised position on Sefton's OAN following the publication of BE Group/Ekosgens' paper on "Assessment of Labour Supply Implications" and the additional sensitivity testing undertaken in this note:

- NLP considers that there is no justification for departing from the Government's latest official population and household projections (both 2012-based) with the exception of a modest uplift for headship rates of younger age cohorts, and taking into account recent population estimates and local demographic factors (in line with the Practice Guidance). This enables NLP to conclude that the starting point for identifying demographic needs is **627 dpa**;
- A realistic adjustment to the underlying unemployment rate would increase the number of jobs likely to be based in the Borough under this Scenario (Ai), although the figure would still be negative between 2012 and 2030 (-812). Once a 10% uplift is applied to address worsening market signals and past under-delivery, this equates to the demographically driven housing OAN, at **690 dpa**.

- Full affordable housing needs exceed this, at 434 affordable dpa (or 1,447 dpa @30%). There is therefore a clear need to uplift this demographically-led figure to take account of the significant affordable housing need in Sefton;
- Taking an economically-driven housing OAN which doesn't lead to a decline in jobs over time, a figure of around **710 dpa** would effectively stabilise the economy and ensure that at the very least the number of jobs based in Sefton Borough stabilises over the coming years;
- The consequences of Sefton's uncommon demographic profile with economic growth aspirations superimposed upon it will inevitably result in a high dwelling requirement. In a situation whereby unfettered economic growth is pursued in line with the 'blended' approach to job growth, even with a realistic adjustment made to unemployment rates (given the step change in employment) it is considered that a figure of 1,180 dpa would be justified at the top end of the range. This represents a reduction on the previous figure of 1,286 dpa, but is generally consistent with NLP's earlier work;
- Whilst this figure would cut across the logic of past trends in population and migration growth, it would align the housing need with economic growth needs and importantly, would represent a significant uplift to Sefton's housing need figure to make a meaningful contribution to increasing affordable housing delivery. At 30%, delivering 1,180 dpa could result in the provision of **354 affordable dwellings annually**, over 80% of the total affordable housing need (434 dpa) in the SHMA, and a level significantly in excess of what has been delivered in the recent past⁸;
- In general, whilst recognising that this would be very challenging to deliver, it is considered that greater weight could be attached to a housing need figure towards the **upper end of the 710 dpa 1,180 dpa** economically-driven OAN range. This would reflect the most recent economic projections for the Borough.
- Whilst this is the OAN that Sefton Council should consider, it is of course recognised that the housing requirement figure it ultimately chooses to take forward in its emerging Local Plan may be different (if justified in accordance with the Framework and the Practice Guidance).
- There are significant implications of a high OAN in terms of Sefton Borough's ability to accommodate such growth as set out in the 2015 Consequences Study Update. Furthermore, there will be clear implications for neighbouring local authorities where Sefton has a strong migratory/travel to work

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⁸According to the 2014 Sefton SHMA, the size of the affordable housing sector actually fell over the decade to 2011, with a net loss of around 1,600 social rented properties between 2001 and 2011 due to extensive demolition programmes (page 21).

relationship, most notably Liverpool City, which could influence the outcomes of regeneration strategies and housing delivery programmes in the City. These are policy considerations for Sefton Council to consider in defining its housing requirement in its emerging Local Plan.

Depending upon the extent to which Sefton Council is able to accommodate this level of housing need within its own boundaries in accordance with paragraphs 14, 47 and 179 of the Framework, these conclusions may support the need for comprehensive sub-regional assessment of housing need and supply - post adoption of the Local Plan – in an early Plan Review given the significant cross boundary labour supply and regeneration implications.



Appendix 1: Inputs and Assumptions

	Scenario A: 2012 SNPP, 2012 Headship Rates	Scenario Ai: 2012 SNPP, Partial Catch-up to 2008 Headship Rates	Scenario E: Job Stabilisation (Zero Job Growth)	Scenario H: Blended Jobs (Experian, OE)
Population				
Baseline Population	A 2012 baseline population is taken fro	om the 2012 Mid-year population est	imates for Sefton Borough, split by age cohort and gender.	
Births	Future change assumed in the Total Fe projected TFRs through PopGroup.	ertility Rate [TFR] uses the birth proj	ections from the ONS 2012-based Interim SNPP. This in to	urn is used to derive future
Deaths	Future change assumed in the SMR us PopGroup.	ses the death projections from the O	NS 2012-based Interim SNPP. This in turn is used to derive	e future projected SMRs in
Internal Migration	Gross domestic in and out migration flor migration into the Borough from the ON actual internal migration flows 2012-20 migration (elsewhere in England) and on the UK) (SNPP Table 5).	NS 2012-based SNPP for the 30. This is the sum of internal	Internal in-migration and outmigration is flexed (inflated or deflated) to achieve the necessary number of economically active people to underpin the economy in the Borough for this employment scenario. This was based on job stabilisation between 2012 and 2030.	As Scenario E, but with potential unconstrained employment growth (total jobs) in Sefton Borough of +10,099 between 2012 and 2030 based on a combination of OE and Experian projections.
International Migration	Gross international in and out migration forecast migration in Sefton Borough fror the actual internal migration flows 2	om the ONS 2012-based SNPP	As above, but for international rather than internal migra	ition.

	Scenario A: 2012 SNPP, 2012 Headship Rates	Scenario Ai: 2012 SNPP, Partial Catch-up to 2008 Headship Rates	Scenario E: Job Stabilisation (Zero Job Growth)	Scenario H: Blended Jobs (Experian, OE)
Propensity to Migrate (Age Specific Migration Rates)	SNPP. These identify a migration rate	for each age cohort within the Boro	sed upon the age profile of migrants to and from the Boroug rugh (for both in and out flows separately) which is applied to of those people moving into and out of the Borough (but not	each individual age providing
Housing				
Headship Rates	2015 'Stage 1' outputs were available. headship rates by sex and five year ag group who will form a head of househout	These provided headship rates by the group only are inputted into the mold. For all scenarios except Ai, the remarks, the rates for young people in	ese are taken from the 2012-based Sub-National Househol age, sex and relationship status. The relationship statuses odelling. Applied to the population, these determine the per rates as taken directly from CLG are applied. the age groups 15-19 to 30-34 are projected to reach, by 20	have been amalgamated so that cent of people in a given age/sex
Population not in households	number of people in each sex/five year under scenarios which project a different	r age groups/relationship status in in ent population size and/or age struct	e) is similarly taken from the 2012-based household projectionstitutional care. Above age 75, these numbers have been dure to the 2012 SNPP (which the CLG household projection home or other non-household accommodation.	converted into a rate; therefore
Vacancy / 2nd Home Rate	housing market. This means that more	e dwellings than households are req	, representing the natural vacancies/not permanently occupuired to meet needs. The average vacancy/second home representation 2013/2014, held constant over the forecast period.	
Economic				

	Scenario A: 2012 SNPP, 2012 Headship Rates	Scenario Ai: 2012 SNPP, Partial Catch-up to 2008 Headship Rates	Scenario E: Job Stabilisation (Zero Job Growth)	Scenario H: Blended Jobs (Experian, OE)
Economic Activity Rate	Projections [LFP] have been applied. In 2026-2028. In the oldest age groups (7 period 2006-2020 and female rates to restween the ONS LFP and a linear trent for the economic activity sensitivity continue over the Local Plan period, ris	n addition, allowances have been m 0+), the ONS LFP significantly under temain static. Therefore an alternate and based on growth between 2001 at tests, following advice received from ing by 18% by 2030. The assumpt	nis is the 2011 Census ⁹ , and for age groups up to 65-69 the ade (for 65-69) for the increases in State Pension Age whice erestimated the economic activity rate, projecting a slight derive assumption has been adopted, whereby rates are projected and 2011. These rates were then held constant. Our BE Group/Ekosgen, it was assumed that current 65+ treation was also made that this uplift should be applied to the parate the specific economic activity rates for each group.	th will occur in 2018-2020 and ecline in male rates over the cted to reach a mid-point ands for economic activity
Commuting Rate	economically active people taken from Sefton, taken from the most recent Exp	the Annual Population Survey, less erian publication (in this case, May	used 2013 data regarding the number of employed resident those unemployed) and the number of jobs (i.e. employment 2015). This indicated an Labour Force ratio of 1.28 for 201 residents to jobs in the Borough). This was held constant of	nt plus self-employment) in 3. This figure takes into account
Unemploymen t	was 5.8%. Hence the modelling utilise was held constant from 2020 to 2030. decline to 5.8% beginning post-2014.	d a projection on the basis that rate For the years 2012, 2013 and 2014	ual Population Survey data indicated that the pre-recession s would return to this by 2020, as it is more reflective of out-	of-recession trends. This rate survey) were used, with the
	For the unemployment rate sensitivi above.	ty tests, it was assumed that unem	ployment converges on a long-term average of 4% rather the	nan the 5.8% rate assumed

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⁹ Given the 2011 Census only provides rates for older age groups as a single '65 and over' age group, an estimate of older age economic activity (necessary in order to accurately project the labour force) has been calculated based on the decline in economic activity over the life course from the 2001 Census, which provided rates up to age 65-69 and 70-74.



Appendix 2: PopGroup Output Sheets

Sefton

Components of Popula					5	Scenario	A: 201	2 SNPP,	2012 H	eadship	Rates -	Econor	nic Acti	vity Rate	es Sens	itivity			
		ning July 1st 2013-14 2		015-16 2	016-17 2	017-18 20	018-19 2	019-20 2	2020-21	021-22 2	2022-23 2	2023-24 2	024-25 2	025-26 2	026-27 2	027-28 2	028-29 20	029-30	
Births Male		4 405		4 405		4 407					4.000	4 000	4.070	4.000					
raie Gemale	1,410	1,425 1,357	1,430 1,362	1,425 1,357	1,422 1,355	1,427 1,359	1,425	1,422 1,354	1,415 1,348	1,407 1,340	1,399	1,389 1,323	1,378 1,312	1,366 1,301	1,354 1,289	1,342 1,278	1,331 1,268	1,321	
III Births	2,754	2,782	2,792	2,783	2,777	2,786	2,783	2,776	2,763	2,748	2,732	2,712	2,690	2,666	2,643	2,620	2,599	2,579	
FR	1.84	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	
rths input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
eaths																			
ale emale	1,521 1,693	1,459 1,554	1,454 1,534	1,448	1,445 1,537	1,446 1,540	1,448	1,448	1,454 1,537	1,461	1,468	1,476 1,543	1,486 1,546	1,499 1,549	1,511 1,557	1,523 1,568	1,536 1,575	1,552 1.583	
I deaths	3,214	3,013	2,989	2.986	2,981	2,986	2,981	2,981	2,991	2,999	3,007	3,019	3,032	3,049	3,068	3,091	3,111	3,135	
MR: males	116.0	108.9	105.9	102.8	100.0	97.5	95.1	92.7	90.6	88.7	86.8	85.0	83.4	82.0	80.6	79.2	77.9	76.8	
MR: females	111.3	101.0	97.8	96.1	94.2	92.5	90.2	88.3	86.6	84.8	83.0	81.5	79.9	78.4	77.2	76.0	74.7	73.6	
MR: persons	113.4	104.7	101.6	99.2	96.9	94.8	92.5	90.4	88.5	86.6	84.8	83.2	81.6	80.2	78.8	77.5	76.2	75.1	
pectation of life: males pectation of life: females	77.8 82.5	78.5 83.4	78.8 83.7	79.2 83.9	79.5 84.1	79.8 84.4	80.1 84.6	80.4 84.8	80.7 85.0	81.0 85.3	81.2 85.5	81.5 85.7	81.7 85.9	82.0 86.1	82.2 86.3	82.4 86.5	82.6 86.7	82.8 86.8	
pectation of life: persons eaths input	80.3	81.2	81.5	81.7	82.0	82.3	82.5	82.8	83.0	83.3	83.5	83.7	84.0	84.2	84.4	84.6	84.7	84.9	
-migration from the UK																			
ale	3,937	3,947	3,960	3,973	3,983	3,993	4,000	4,005	4,007	4,006	4,004	4,003	4,008	4,017	4,028	4,040	4,053	4,066	
emale	4,033	4,042	4,051	4,057	4,060	4,062	4,062	4,058	4,052	4,043	4,032	4,026	4,028	4,036	4,046	4,060	4,074	4,088	
	7,970	7,989	8,012	8,030	8,043	8,054	8,062	8,063	8,059	8,049	8,036	8,029	8,036	8,053	8,074	8,100	8,127	8,154	
MigR: males MigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
grants input	0.1		0.1	0.1	0.1	0.1	0.1	0.1		0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	
et migration to the LIV																			
ut-migration to the UK	3,850	3,844	3,842	3,846	3,827	3,812	3,798	3,781	3,768	3,751	3,738	3,732	3,746	3,740	3,735	3,731	3,740	3,741	
male	4,005	3,997	3,979	3,976	3,948	3,924	3,894	3,871	3,840	3,825	3,813	3,791	3,778	3,789	3,786	3,784	3,788	3,797	
	7,855	7,841	7,821	7,822	7,775	7,736	7,692	7,652	7,608	7,576	7,551	7,524	7,524	7,529	7,520	7,514	7,528	7,537	
MigR: males MigR: females	29.6 29.6	29.5 29.6	29.5 29.6	29.6 29.6	29.5 29.6	29.5 29.5	29.5 29.5	29.5 29.5	29.5 29.4	29.5 29.4	29.6 29.4	29.6 29.4	29.8 29.4	29.8 29.5	29.8 29.5	29.7 29.4	29.8 29.4	29.7 29.4	
grants input	- 29.6	29.0	- 29.0	29.0		- 29.5	29.5	29.3	. 29.4	29.4	. 29.4	29.4	- 29.4	. 29.5	. 29.5	29.4	29.4	. 29.4	
-migration from Overseas																			
ale	661	643	639	660	636	629	625	617	615	619	615	610	617	619	619	623	634	630	
emale	654	644	639	645	628	622	612	605	602	607	604	599	602	608	608	616	621	623	
MinD: malos	1,315	1,286	1,277	1,306	1,264	1,252	1,237	1,223	1,217	1,226	1,219	1,208	1,220	1,228	1,227	1,239	1,255	1,253	
MigR: males MigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
grants input	• 3.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	
ut-migration to Overseas																			
ale	584	565	561	563	552	542	547	539	536	540	536	531	538	541	541	545	556	552	
male	554	543	538	531	523	515	512	505	502	506	503	498	501	508	507	516	521	523	
	1,138	1,108	1,099	1,094	1,074	1,057	1,059	1,043	1,038	1,046	1,039	1,028	1,040	1,048	1,047	1,061	1,077	1,075	
figR: males	81.7	78.9	78.3	78.7	77.3	76.2	77.2	76.5	76.6	77.6	77.6	77.3	78.9	79.6	79.9	80.8	82.5	81.9	
fligR: females grants input	96.3	94.7	94.2	93.1	92.0	91.2	91.2	90.7	90.9	92.4	92.6	92.5	93.9	95.7	96.0	98.0	99.2	99.8	
igration - Net Flows																			
<	+115	+148	+191	+208	+268	+318	+370	+411	+451	+473	+485	+505	+512	+524	+553	+586	+598	+617	
verseas	+176	+178	+178	+212	+190	+195	+179	+179	+179	+180	+180	+180	+180	+179	+179	+178	+178	+178	
ummary of population change																			
atural change	-460	-231	-197	-203	-204	-200	-198	-206	-228	-252	-274	-307	-343	-382	-425	-471	-513	-556	
et migration et change	+291	+326	+370 +172	+419 +216	+457 +253	+513 +313	+549 +351	+590 +384	+630 +402	+652 +401	+665 +390	+685 +378	+692 +349	+704 +321	+733 +308	+764 +293	+777 +264	+795 +239	
rude Birth Rate /000	10.06	10.17	10.20	10.16	10.13	10.15	10.13	10.09	10.03	9.96	9.89	9.80	9.71	9.61	9.52	9.42	9.34	9.26	
rude Death Rate /000	11.75	11.01	10.92	10.90	10.88	10.88	10.85	10.84	10.86	10.87	10.88	10.91	10.94	10.99	11.05	11.12	11.18	11.25	
rude Net Migration Rate /000	1.07	1.19	1.35	1.53	1.67	1.87	2.00	2.14	2.29	2.36	2.41	2.48	2.50	2.54	2.64	2.75	2.79	2.85	
summary of Population			sts																
	Population 2012	at mid-year 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
4	14,651	14,644	14,670	14,547	14,437	14,417	14,454	14,458	14,446	14,425	14,393	14,339	14,267	14,181	14,085	13,981	13,871	13,760	
10	16,812	17,026	17,283	17,678	18,097	18,259	18,279	18,321	18,379	18,289	18,193	18,177	18,211	18,208	18,183	18,145	18,094	18,017	
1-15	15,583	14,952	14,550	14,264	14,093	14,127	14,361	14,634	14,875	15,286	15,540	15,627	15,647	15,706	15,637	15,558	15,535	15,574	
i-17 i-59Female, 64Male	6,788 151,774	6,789 151,156	6,637 150,498	6,290 149,989	6,064 149,300	5,881 148,455	5,740 147,479	5,613 146,453	5,614 145,436	5,624 144,095	5,764 142,833	6,020 141,515	6,130 140,296	6,139 139,123	6,268 138,066	6,415 137,209	6,370 136,485	6,258 135,762	
1/65 -74	39,026	39,393	40,023	40,650	41,239	41,901	42,421	42,843	43,405	44,138	43,954	44,235	44,860	45,609	46,283	46,851	47,417	47,858	
-84	21,169	21,469	21,586 8,375	21,645 8,733	21,640 9,142	21,728 9,498	22,027 9,818	22,394 10,214	22,586 10,573	22,929 10,930	24,094 11,345	24,794 11,800	25,370 12,102	25,870 12,396	26,362 12,671	26,725 12,979	26,972 13,412	27,262 13,929	
+	7 894	8 099			-,,	-,-00			. 5,575	. 5,565		276,506	276.885	277.234	277.555	277,862	278,155	278,419	2
	7,894 273,697	8,099 273,528	273,624	273,796	274,012	274,266	274,579	274,929	275,314	275,715	276,116	276,306	,						
tal	273,697				274,012	274,266	274,579	274,929	275,314	275,715	276,116	276,306	_ ,,,,,,						
otal ependency ratios, mean age at 15 / 16-65	273,697 nd sex ratio 0.28	273,528 0.28	273,624	273,796	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	
otal ependency ratios, mean age at 15 / 16-65 5+ / 16-65	273,697 nd sex ratio 0.28 0.35	273,528 0.28 0.36	273,624 0.28 0.37	273,796 0.28 0.38	0.28 0.38	0.29	0.29	0.29	0.30	0.30 0.42	0.30 0.43	0.30 0.44	0.31 0.45	0.47	0.48	0.49	0.50	0.52	
tal ependency ratios, mean age at 15/16-65 +/16-65 15 and 65+/16-65	273,697 nd sex ratio 0.28 0.35 0.63	273,528 0.28 0.36 0.64	273,624 0.28 0.37 0.65	273,796 0.28 0.38 0.66	0.28 0.38 0.67	0.29 0.39 0.68	0.29 0.40 0.69	0.29 0.41 0.70	0.30 0.41 0.71	0.30 0.42 0.72	0.30 0.43 0.74	0.30 0.44 0.75	0.31 0.45 0.76	0.47 0.77	0.48 0.79	0.49 0.80	0.50 0.81	0.52 0.83	
pendency ratios, mean age at 15 / 16-65 + / 16-65 15 and 65+ / 16-65 dian age males	273,697 nd sex ratio 0.28 0.35	273,528 0.28 0.36	273,624 0.28 0.37	273,796 0.28 0.38	0.28 0.38	0.29	0.29	0.29	0.30	0.30 0.42	0.30 0.43	0.30 0.44	0.31 0.45	0.47	0.48	0.49	0.50	0.52	
tal spendency ratios, mean age at 15 / 16-65 + / 16-65 15 and 65 + / 16-65 ddian age males ddian age females	273,697 nd sex ratio 0.28 0.35 0.63 42.3	273,528 0.28 0.36 0.64 42.5	273,624 0.28 0.37 0.65 42.8	0.28 0.38 0.66 43.0	0.28 0.38 0.67 43.2	0.29 0.39 0.68 43.4	0.29 0.40 0.69 43.5	0.29 0.41 0.70 43.5	0.30 0.41 0.71 43.5	0.30 0.42 0.72 43.5	0.30 0.43 0.74 43.4	0.30 0.44 0.75 43.4	0.31 0.45 0.76 43.5	0.47 0.77 43.6	0.48 0.79 43.7	0.49 0.80 43.8	0.50 0.81 43.9	0.52 0.83 44.0	
tal spendency ratios, mean age at 15.116-65 15.116-65 15 and 65+/16-65 dan age males dadan age females x ratio males /100 females	273,697 nd sex ratio 0.28 0.35 0.63 42.3 45.3	273,528 0.28 0.36 0.64 42.5 45.6	0.28 0.37 0.65 42.8 45.9	273,796 0.28 0.38 0.66 43.0 46.2	0.28 0.38 0.67 43.2 46.5	0.29 0.39 0.68 43.4 46.8	0.29 0.40 0.69 43.5 47.0	0.29 0.41 0.70 43.5 47.2	0.30 0.41 0.71 43.5 47.5	0.30 0.42 0.72 43.5 47.7	0.30 0.43 0.74 43.4 47.8	0.30 0.44 0.75 43.4 48.0	0.31 0.45 0.76 43.5 48.0	0.47 0.77 43.6 48.0	0.48 0.79 43.7 48.0	0.49 0.80 43.8 48.0	0.50 0.81 43.9 48.0	0.52 0.83 44.0 48.1	
ppendency ratios, mean age at 5 / 16-65 4 / 16-65 5 and 65+ / 16-65 dan age males dan age females x ratio males / 100 females	273,697 nd sex ratio 0.28 0.35 0.63 42.3 45.3	273,528 0.28 0.36 0.64 42.5 45.6	0.28 0.37 0.65 42.8 45.9	273,796 0.28 0.38 0.66 43.0 46.2	0.28 0.38 0.67 43.2 46.5	0.29 0.39 0.68 43.4 46.8	0.29 0.40 0.69 43.5 47.0	0.29 0.41 0.70 43.5 47.2	0.30 0.41 0.71 43.5 47.5	0.30 0.42 0.72 43.5 47.7	0.30 0.43 0.74 43.4 47.8	0.30 0.44 0.75 43.4 48.0	0.31 0.45 0.76 43.5 48.0	0.47 0.77 43.6 48.0	0.48 0.79 43.7 48.0	0.49 0.80 43.8 48.0	0.50 0.81 43.9 48.0	0.52 0.83 44.0 48.1	
pendency ratios, mean age at 5, 16-65 + 16-65 16-65 5 and 65+ / 16-65 5 and 65+ / 16-65 6 and age males drian age females ratio males /100 females published in the females ratio males from the females published in the females open females open females open females in the females open females ope	273,697 nd sex ratio 0.28 0.35 0.63 42.3 45.3	273,528 0.28 0.36 0.64 42.5 45.6 92.2	273,624 0.28 0.37 0.65 42.8 45.9 92.3	0.28 0.38 0.66 43.0 46.2 92.4	0.28 0.38 0.67 43.2 46.5 92.6	0.29 0.39 0.68 43.4 46.8 92.7	0.29 0.40 0.69 43.5 47.0 92.8	0.29 0.41 0.70 43.5 47.2 92.9	0.30 0.41 0.71 43.5 47.5 93.1	0.30 0.42 0.72 43.5 47.7 93.2	0.30 0.43 0.74 43.4 47.8 93.3	0.30 0.44 0.75 43.4 48.0 93.4	0.31 0.45 0.76 43.5 48.0 93.5	0.47 0.77 43.6 48.0 93.6	0.48 0.79 43.7 48.0 93.7	0.49 0.80 43.8 48.0 93.8	0.50 0.81 43.9 48.0 93.9	0.52 0.83 44.0 48.1 94.0	
tal pendency ratios, mean age at 15 / 16-65 15 / 16-65 15 and 65+ / 16-65 data age males data age females x ratio males / 100 females pullation impact of constraint mber of persons buseholds more of Households	273,697 nd sex ratio	273,528 0.28 0.36 0.64 42.5 45.6 92.2	273,624 0.28 0.37 0.65 42.8 45.9 92.3	273,796 0.28 0.38 0.66 43.0 46.2 92.4 +1	0.28 0.38 0.67 43.2 46.5 92.6	0.29 0.39 0.68 43.4 46.8 92.7	0.29 0.40 0.69 43.5 47.0 92.8	0.29 0.41 0.70 43.5 47.2 92.9	0.30 0.41 0.71 43.5 47.5 93.1	0.30 0.42 0.72 43.5 47.7 93.2	0.30 0.43 0.74 43.4 47.8 93.3	0.30 0.44 0.75 43.4 48.0 93.4	0.31 0.45 0.76 43.5 48.0 93.5	0.47 0.77 43.6 48.0 93.6 +4	0.48 0.79 43.7 48.0 93.7	0.49 0.80 43.8 48.0 93.8	0.50 0.81 43.9 48.0 93.9	0.52 0.83 44.0 48.1 94.0 +2	
tal opendency ratios, mean age at 15, 116-65 15, 116-65 15 and 65+, 116-65 didan age males color and open and open according to the according age females open and open according to the according age females open according to the according to the according according to the according to th	273,697 nd sex ratio 0.28 0.35 0.63 42.3 45.3 92.0	273,528 0.28 0.36 0.64 42.5 45.6 92.2 -2	273,624 0.28 0.37 0.65 42.8 45.9 92.3	273,796 0.28 0.38 0.66 43.0 46.2 92.4 +1 120,251 +639	0.28 0.38 0.67 43.2 46.5 92.6 +1	0.29 0.39 0.68 43.4 46.8 92.7 +2	0.29 0.40 0.69 43.5 47.0 92.8 +2	0.29 0.41 0.70 43.5 47.2 92.9 +2	0.30 0.41 0.71 43.5 47.5 93.1 +3	0.30 0.42 0.72 43.5 47.7 93.2 +3	0.30 0.43 0.74 43.4 47.8 93.3 +3	0.30 0.44 0.75 43.4 48.0 93.4 +3	0.31 0.45 0.76 43.5 48.0 93.5	0.47 0.77 43.6 48.0 93.6 +4	0.48 0.79 43.7 48.0 93.7 +3	0.49 0.80 43.8 48.0 93.8 +3	0.50 0.81 43.9 48.0 93.9 +2 127,962 +508	0.52 0.83 44.0 48.1 94.0 +2	
tal spendency ratios, mean age at 15, 16-65 15, 16-65 15 and 65+ / 16-65 25 and 65+ / 16-65 25 and age males adian age females x ratio males / 100 females pullation impact of constraint miber of persons puseholds miber of Households sange in Households over previous y miber of supply units	273,697 nd sex ratio	273,528 0.28 0.36 0.64 42.5 45.6 92.2	273,624 0.28 0.37 0.65 42.8 45.9 92.3	273,796 0.28 0.38 0.66 43.0 46.2 92.4 +1	0.28 0.38 0.67 43.2 46.5 92.6	0.29 0.39 0.68 43.4 46.8 92.7	0.29 0.40 0.69 43.5 47.0 92.8	0.29 0.41 0.70 43.5 47.2 92.9	0.30 0.41 0.71 43.5 47.5 93.1	0.30 0.42 0.72 43.5 47.7 93.2	0.30 0.43 0.74 43.4 47.8 93.3	0.30 0.44 0.75 43.4 48.0 93.4	0.31 0.45 0.76 43.5 48.0 93.5	0.47 0.77 43.6 48.0 93.6 +4	0.48 0.79 43.7 48.0 93.7	0.49 0.80 43.8 48.0 93.8	0.50 0.81 43.9 48.0 93.9	0.52 0.83 44.0 48.1 94.0 +2	
tal spendency ratios, mean age at 15 / 16-65 15 and 65+ / 16-65 dan age males ddan age females v ratio males / 100 females spendant made of constraint mober of persons susseholds miber of Households ange in Households over previous y mober of supply units	273,697 nd sex ratio 0.28 0.35 0.63 42.3 45.3 92.0	273,528 0.28 0.36 0.64 42.5 45.6 92.2 -2 119,008 +432 124,811	273,624 0.28 0.37 0.65 42.8 45.9 92.3	273,796 0.28 0.38 0.66 43.0 46.2 92.4 +1 120,251 +639 126,116	0.28 0.38 0.67 43.2 46.5 92.6 +1 120,915 +664 126,812	0.29 0.39 0.68 43.4 46.8 92.7 +2	0.29 0.40 0.69 43.5 47.0 92.8 +2 122,207 +630 128,167	0.29 0.41 0.70 43.5 47.2 92.9 +2	0.30 0.41 0.71 43.5 47.5 93.1 +3	0.30 0.42 0.72 49.5 47.7 93.2 +3 124,107 +623 130,159	0.30 0.43 0.74 43.4 47.8 93.3 +3 124,671 +564 130,751	0.30 0.44 0.75 43.4 48.0 93.4 +3	0.31 0.45 0.76 43.5 48.0 93.5 +4	0.47 0.77 43.6 48.0 93.6 +4 126,290 +538 132,449	0.48 0.79 43.7 48.0 93.7 +3 126,865 +576 133,052	0.49 0.80 43.8 48.0 93.8 +3 127,454 +589 133,670	0.50 0.81 43.9 48.0 93.9 +2 127,962 +508 134,203	0.52 0.83 44.0 48.1 94.0 +2 128,457 +494 134,721	
ppendency ratios, mean age at 5 / 16-6	273,697 nd sex ratio 0.28 0.35 0.63 42.3 45.3 92.0	273,528 0.28 0.36 0.64 42.5 45.6 92.2 -2 119,008 +432 124,811	273,624 0.28 0.37 0.65 42.8 45.9 92.3	273,796 0.28 0.38 0.66 43.0 46.2 92.4 +1 120,251 +639 126,116	0.28 0.38 0.67 43.2 46.5 92.6 +1 120,915 +664 126,812	0.29 0.39 0.68 43.4 46.8 92.7 +2	0.29 0.40 0.69 43.5 47.0 92.8 +2 122,207 +630 128,167	0.29 0.41 0.70 43.5 47.2 92.9 +2	0.30 0.41 0.71 43.5 47.5 93.1 +3	0.30 0.42 0.72 49.5 47.7 93.2 +3 124,107 +623 130,159	0.30 0.43 0.74 43.4 47.8 93.3 +3 124,671 +564 130,751	0.30 0.44 0.75 43.4 48.0 93.4 +3	0.31 0.45 0.76 43.5 48.0 93.5 +4	0.47 0.77 43.6 48.0 93.6 +4 126,290 +538 132,449	0.48 0.79 43.7 48.0 93.7 +3 126,865 +576 133,052	0.49 0.80 43.8 48.0 93.8 +3 127,454 +589 133,670	0.50 0.81 43.9 48.0 93.9 +2 127,962 +508 134,203	0.52 0.83 44.0 48.1 94.0 +2 128,457 +494 134,721	
ependency ratios, mean age at 15 / 16-65 15 / 16-65 15 and 65+ / 16-65 dain age males addian age formales ex ratio males / 100 females population impact of constraint amber of persons puseholds umber of Households earape in Households over previous yumber of supply units earape in over previous year abour Force umber of Labour Force abour Force umber of Labour Force abour Force abour Force abour Force	273,697 nd sex ratio 0.28 0.35 0.63 42.3 42.3 92.0 118,576 aar 124,358	273,528 0.28 0.36 0.64 42.5 45.6 92.2 -2 119,008 +432 124,811 +453	273,624 0.28 0.37 0.65 42.8 45.9 92.3 -1 119,612 +605 125,446 +634	273,796 0.28 0.38 0.66 43.0 46.2 92.4 +1 120,251 +639 126,116 +670	0.28 0.38 0.67 43.2 46.5 92.6 +1 120,915 +664 126,812 +696	0.29 0.39 0.68 43.4 46.8 92.7 +2 121,577 +662 127,506 +694	0.29 0.40 0.69 43.5 47.0 92.8 +2 122,207 +630 128,167 +661	0.29 0.41 0.70 43.5 47.2 92.9 +2 122.837 +630 128.828 +661	0.30 0.41 0.71 43.5 47.5 93.1 +3 123,483 +646 129,505 +677	0.30 0.42 0.72 43.5 47.7 93.2 +3 124,107 +623 130,159 +654	0.30 0.43 0.74 43.4 47.8 93.3 +3 124,671 +564 130,751 +592	0.30 0.44 0.75 43.4 48.0 93.4 +3 125,213 +542 131,319 +569	0.31 0.45 0.76 43.5 48.0 93.5 +4 125,752 +539 131,884 +565	0.47 0.77 43.6 48.0 93.6 +4 126,290 +538 132,449 +564	0.48 0.79 43.7 48.0 93.7 +3 126,865 +576 133,052 +604	0.49 0.80 43.8 48.0 93.8 +3 127,454 +589 133,670 +618	0.50 0.81 43.9 48.0 93.9 +2 127,962 +508 134,203 +533	0.52 0.83 44.0 48.1 94.0 +2 128,457 +494 134,721 +518	
ependency ratios, mean age at 15 / 16-65 is / 16-65 is / 16-65 is / 16-65 data age males edian age females ex ratio males / 100 females opulation impact of constraint umber of persons ouseholds umber of Households over previous yumber of supply units hange in over previous year abour Force umber of Labour Force umber of Labour Force umber of Labour Force names in Labour Force over previous when you will be compared to the province of Labour Force umber of Labour Force over previous units	273,697 nd sex ratio 0.28 0.35 0.63 42.3 42.3 92.0 118,576 aar 124,358	273,528 0.28 0.36 0.64 42.5 45.6 92.2 -2 119,008 +432 124,811 +453	273,624 0.28 0.37 0.65 42.8 45.9 92.3 -1 119,612 +605 125,446 +634	273,796 0.28 0.38 0.66 43.0 46.2 92.4 +1 120,251 +639 126,116 +670	0.28 0.38 0.67 43.2 46.5 92.6 +1 120,915 +694 126,812 +696	0.29 0.39 0.68 43.4 46.8 92.7 +2 121,577 +662 127,506 +694	0.29 0.40 0.69 43.5 47.0 92.8 +2 122,207 +630 128,167 +661	0.29 0.41 0.70 43.5 47.2 92.9 +2 122,837 +630 128,828 +661	0.30 0.41 0.71 43.5 47.5 93.1 +3 123,483 +646 129,505 +677	0.30 0.42 0.72 43.5 47.7 93.2 +3 124.107 +623 130.159 +654	0.30 0.43 0.74 43.4 47.8 93.3 +3 124,671 +564 130,751 +592	0.30 0.44 0.75 43.4 48.0 93.4 +3 125,213 +542 131,319 +569	0.31 0.45 0.76 43.5 48.0 93.5 +4 125,752 +539 131,884 +565	0.47 0.77 43.6 48.0 93.6 +4 126,290 +538 132,449 +564	0.48 0.79 43.7 48.0 93.7 +3 126,865 +576 133,052 +604	0.49 0.80 43.8 48.0 93.8 +3 127,454 +589 133,670 +618	0.50 0.81 43.9 48.0 93.9 +2 127,962 +508 134,203 +533	0.52 0.83 44.0 48.1 94.0 +2 128,457 +494 134,721 +518	

Sefton

						Scenario Ai: 2012 SNPP, PCU - Economic Activity Rates Sensitivity								
	Year beg	inning July	1st											
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Births														

	Year beginn 2012-13 2		014-15 2	015-16 2	016-17 2	017-18 2	018-19 2	019-20 2	020-21 2	021-22 2	022-23 2	023-24 2	024-25 2	025-26 2	026-27 2	027-28 2	028-29 2	029-30	
Births																			
Male Female	1,410 1,343	1,425 1,357	1,430 1,362	1,425 1,357	1,422 1,355	1,427 1,359	1,425 1,358	1,422 1,354	1,415 1,348	1,407 1,340	1,399 1,333	1,389 1,323	1,378 1,312	1,366 1,301	1,354 1,289	1,342 1,278	1,331 1,268	1,321 1,258	
All Births	2,754	2,782	2,792	2,783	2,777	2,786	2,783	2,776	2,763	2,748	2,732	2,712	2,690	2,666	2,643	2,620	2,599	2,579	
TFR	1.84	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	
Births input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Deaths																			
Male	1,521	1,459	1,454	1,448	1,445	1,446	1,448	1,448	1,454	1,461	1,468	1,476	1,486	1,499	1,511	1,523	1,536	1,552	
Female All deaths	1,693 3,214	1,554 3,013	1,534 2,989	1,537 2,986	1,537 2,981	1,540 2,986	1,533 2,981	1,533 2,981	1,537 2,991	1,538 2,999	1,538 3,007	1,543 3,019	1,546 3,032	1,549 3,049	1,557 3,068	1,568 3,091	1,575 3,111	1,583 3,135	
SMR: males	116.0	108.9	105.9	102.8	100.0	97.5	95.1	92.7	90.6	88.7	86.8	85.0	83.4	82.0	80.6	79.2	77.9	76.8	
SMR: females	111.3	101.0	97.8	96.1	94.2	92.5	90.2	88.3	86.6	84.8	83.0	81.5	79.9	78.4	77.2	76.0	74.7	73.6	
SMR: persons Expectation of life: males	113.4 77.8	104.7 78.5	101.6 78.8	99.2 79.2	96.9 79.5	94.8 79.8	92.5 80.1	90.4 80.4	88.5 80.7	86.6 81.0	84.8 81.2	83.2 81.5	81.6 81.7	80.2 82.0	78.8 82.2	77.5 82.4	76.2 82.6	75.1 82.8	
Expectation of life: females	82.5	83.4	83.7	83.9	84.1	84.4	84.6	84.8	85.0	85.3	85.5	85.7	85.9	86.1	86.3	86.5	86.7	86.8	
Expectation of life: persons	80.3	81.2	81.5	81.7	82.0	82.3	82.5	82.8	83.0	83.3	83.5	83.7	84.0	84.2	84.4	84.6	84.7	84.9	
Deaths input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
In-migration from the UK																			
Male	3,937	3,947	3,960	3,973	3,983	3,993	4,000	4,005	4,007	4,006	4,004	4,003	4,008	4,017	4,028	4,040	4,053	4,066	
Female All	4,033 7,970	4,042 7,989	4,051 8,012	4,057 8,030	4,060 8,043	4,062 8,054	4,062 8,062	4,058 8,063	4,052 8,059	4,043 8,049	4,032 8,036	4,026 8,029	4,028 8,036	4,036 8,053	4,046 8,074	4,060 8,100	4,074 8,127	4,088 8,154	
SMigR: males	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.033	0.1	0.1	0.1	0.1	0.03	0.1	0.1	0.1	0.1	
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Out-migration to the UK																			
Male	3,850	3,844	3,842	3,846	3,827	3,812	3,798	3,781	3,768	3,751	3,738	3,732	3,746	3,740	3,735	3,731	3,740	3,741	
Female	4,005	3,997	3,979	3,976	3,948	3,924	3,894	3,871	3,840	3,825	3,813	3,791	3,778	3,789	3,786	3,784	3,788	3,797	
All SMigR: males	7,855 29.6	7,841 29.5	7,821 29.5	7,822 29.6	7,775 29.5	7,736 29.5	7,692 29.5	7,652 29.5	7,608 29.5	7,576 29.5	7,551 29.6	7,524 29.6	7,524 29.8	7,529 29.8	7,520 29.8	7,514 29.7	7,528 29.8	7,537 29.7	
SMigR: females	29.6	29.5 29.6	29.5	29.6	29.5	29.5	29.5 29.5	29.5 29.5	29.5	29.5	29.6	29.6	29.8	29.8	29.8 29.5	29.7	29.8 29.4	29.7	
Migrants input	• 1	•						•	• 1	•		•	• 1		•	•	•	• 1	
In-migration from Overseas																			
Male Overseas	661	643	639	660	636	629	625	617	615	619	615	610	617	619	619	623	634	630	
Female	654	644	639	645	628	622	612	605	602	607	604	599	602	608	608	616	621	623	
All	1,315	1,286	1,277	1,306	1,264	1,252	1,237	1,223	1,217	1,226	1,219	1,208	1,220	1,228	1,227	1,239	1,255	1,253	
SMigR: males SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Out-migration to Overseas Male	584	565	561	563	552	542	547	539	536	540	536	531	538	541	541	545	556	552	
Female	554	543	538	531	523	515	512	505	502	506	503	498	501	508	507	516	521	523	
All	1,138	1,108	1,099	1,094	1,074	1,057	1,059	1,043	1,038	1,046	1,039	1,028	1,040	1,048	1,047	1,061	1,077	1,075	
SMigR: males SMigR: females	81.7 96.3	78.9 94.7	78.3 94.2	78.7 93.1	77.3 92.0	76.2 91.2	77.2 91.2	76.5 90.7	76.6 90.9	77.6 92.4	77.6 92.6	77.3 92.5	78.9 93.9	79.6 95.7	79.9 96.0	80.8 98.0	82.5 99.2	81.9 99.8	
Migrants input	. 90.3	. 94.7	. 94.2	. 93.1	92.0	. 91.2	. 91.2	• 90.7	• 90.9	92.4	92.0	92.5	• 93.9	95.7	90.0	90.0	. 99.2	. 99.0	
Migration - Net Flows UK	+115	+148	+191	+208	+268	+318	+370	+411	+451	+473	+485	+505	+512	+524	+553	+586	+598	+617	
Overseas	+176	+178	+178	+212	+190	+195	+179	+179	+179	+180	+180	+180	+180	+179	+179	+178	+178	+178	
0																			
Summary of population change Natural change	-460	-231	-197	-203	-204	-200	-198	-206	-228	-252	-274	-307	-343	-382	-425	-471	-513	-556	
Net migration	+291	+326	+370	+419	+457	+513	+549	+590	+630	+652	+665	+685	+692	+704	+733	+764	+777	+795	
Net change	-169	+95	+172	+216	+253	+313	+351	+384	+402	+401	+390	+378	+349	+321	+308	+293	+264	+239	
Crude Birth Rate /000 Crude Death Rate /000	10.06 11.75	10.17 11.01	10.20 10.92	10.16 10.90	10.13 10.88	10.15 10.88	10.13 10.85	10.09 10.84	10.03 10.86	9.96 10.87	9.89 10.88	9.80 10.91	9.71 10.94	9.61 10.99	9.52 11.05	9.42 11.12	9.34 11.18	9.26 11.25	
Crude Net Migration Rate /000	1.07	1.19	1.35	1.53	1.67	1.87	2.00	2.14	2.29	2.36	2.41	2.48	2.50	2.54	2.64	2.75	2.79	2.85	
Summary of Population			sts																
	Population a	,																	
0-4	2012 14,651	2013 14,644	2014 14,670	2015 14,547	2016 14,437	2017 14,417	2018 14,454	2019 14,458	2020 14,446	2021 14,425	2022 14,393	2023 14,339	2024 14,267	2025 14,181	2026 14,085	2027 13,981	2028 13,871	2029 13,760	2030 13,65
5-10	16,812	17,026	17,283	17,678	18,097	18,259	18,279	18,321	18,379	18,289	18,193	18,177	18,211	18,208	18,183	18,145	18,094	18,017	17,92
11-15	15,583	14,952	14,550	14,264	14,093	14,127	14,361	14,634	14,875	15,286	15,540	15,627	15,647	15,706	15,637	15,558	15,535	15,574	15,57
16-17	6,788	6,789	6,637	6,290	6,064	5,881	5,740	5,613	5,614	5,624	5,764	6,020	6,130	6,139	6,268	6,415	6,370	6,258	6,23
18-59Female, 64Male 60/65 -74	151,774 39,026	151,156 39,393	150,498 40,023	149,989 40,650	149,300 41,239	148,455 41,901	147,479 42,421	146,453 42,843	145,436 43,405	144,095 44,138	142,833 43,954	141,515 44,235	140,296 44,860	139,123 45,609	138,066 46,283	137,209 46,851	136,485 47,417	135,762 47,858	135,13 48,21
75-84	21,169	21,469	21,586	21,645	21,640	21,728	22,027	22,394	22,586	22,929	24,094	24,794	25,370	25,870	26,362	26,725	26,972	27,262	27,62
85+ T-1-1	7,894	8,099	8,375	8,733	9,142	9,498	9,818	10,214	10,573	10,930	11,345	11,800	12,102	12,396	12,671	12,979	13,412	13,929	14,298
Total	273,697	273,528	273,624	273,796	274,012	274,266	274,579	274,929	275,314	275,715	276,116	276,506	276,885	277,234	277,555	277,862	278,155	278,419	278,658
Dependency ratios, mean age and																			
0-15 / 16-65	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31
65+ / 16-65 0-15 and 65+ / 16-65	0.35 0.63	0.36	0.37 0.65	0.38	0.38	0.39	0.40	0.41	0.41	0.42	0.43	0.44	0.45 0.76	0.47	0.48	0.49	0.50 0.81	0.52 0.83	0.50
Median age males	42.3	42.5	42.8	43.0	43.2	43.4	43.5	43.5	43.5	43.5	43.4	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1
Median age females	45.3	45.6	45.9	46.2	46.5	46.8	47.0	47.2	47.5	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.2
Sex ratio males /100 females	92.0	92.2	92.3	92.4	92.6	92.7	92.8	92.9	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.0
Population impact of constraint																			
Number of persons		-2	-1	+1	+1	+2	+2	+2	+3	+3	+3	+3	+4	+4	+3	+3	+2	+2	+2
Households																			
Number of Households	118,576	119,007	119,612	120,251	120,915	121,577	122,246	122,913	123,591	124,248	124,848	125,422	125,994	126,560	127,159	127,770	128,307	128,824	129,34
Change in Households over previous year		+432	+605	+639	+664	+662	+669	+667	+678	+657	+600	+574	+572	+566	+599	+611	+537	+517	+51
Number of supply units Change in over previous year	124,358	124,811 +453	125,446 +634	126,116 +670	126,812 +696	127,506 +694	128,207 +702	128,907 +700	129,618 +711	130,307 +689	130,937 +630	131,539 +602	132,138 +599	132,732 +594	133,360 +628	134,001 +640	134,564 +563	135,106 +542	135,65 +54
		1400	7004	7070	,000	1004	7.02	7,00		,,,,,	7000	7002	1000	,,,,,	1020	1010	1000	7042	*54
Labour Force																			
Labour Force Number of Labour Force	131,601	137,219	137,056	136,860	136,740	136,504	136,206	135,902	135,590	135,264	134,958	134,660	134,363	134,197	134,110	134,066	134,079	134,134	134,29
Change in Labour Force over previous ye		+5,618	-163	-196	-120	-236	-298	-304	-313	-326	-306	-298	-296	-167	-86	-44	+13	+55	+16
Number of supply units	97,321	97,447	100,436	100,357	100,344	100,234	100,080	99,931	99,764	99,524	99,299	99,080	98,862	98,739	98,676	98,643	98,653	98,693	98,811
Change in over previous year		+126	+2,989	-79	-13	-109	-155	-149	-166	-240	-225	-219	-218	-123	-64	-33	+10	+40	+118

Sefton

Components of Popul	ation Cha	nge				Scenar	io E: Jo	b Stabili	isation -	Econor	nic Acti	vity Rate	es Sens	itivity
	Year begin.	ning July 1s	st											
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Births														
Male	1,410	1,422	1,347	1,343	1,339	1,345	1,347	1,348	1,347	1,348	1,349	1,348	1,347	1,343
Female	1,343	1,355	1,283	1,279	1,275	1,281	1,283	1,284	1,283	1,284	1,285	1,284	1,283	1,279
All Births	2,754	2,777	2,631	2,622	2,614	2,626	2,630	2,632	2,630	2,632	2,633	2,632	2,629	2,622
TFR	1.84	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85

	Year beginn 2012-13 2		014-15 2	015-16 2	016-17 2	017-18 2	018-19 2	019-20 2	2020-21 2	021-22 2	022-23 2	023-24 2	024-25 2	025-26 2	026-27 2	027-28 2	028-29 2	029-30	
Births	2012 10 2									or, rr -									
Male Female	1,410 1,343	1,422 1,355	1,347 1,283	1,343 1,279	1,339 1,275	1,345 1,281	1,347 1,283	1,348 1,284	1,347 1,283	1,348 1,284	1,349 1,285	1,348 1,284	1,347 1,283	1,343 1,279	1,338 1,274	1,332 1,269	1,326 1,263	1,319 1,256	
All Births	2,754	2,777	2,631	2,622	2,614	2,626	2,630	2,632	2,630	2,632	2,633	2,632	2,629	2,622	2,612	2,601	2,589	2,575	
TFR	1.84	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	
Births input																			
Deaths																			
Male	1,521	1,455	1,432	1,425	1,421	1,422	1,425	1,425	1,431	1,438	1,445	1,453	1,463	1,476	1,486	1,497	1,509	1,524	
Female All deaths	1,693 3,214	1,551 3,006	1,512 2,944	1,516 2,941	1,516 2,937	1,521 2,943	1,515 2,940	1,518 2,942	1,522 2,953	1,524 2,962	1,524 2,969	1,529 2,981	1,531 2,994	1,533 3,009	1,539 3,026	1,549 3,046	1,555 3,064	1,561 3,085	
SMR: males	116.0	108.9	105.9	102.8	100.0	97.5	95.1	92.7	90.6	88.7	86.8	85.0	83.4	82.0	80.6	79.2	77.9	76.8	
SMR: females	111.3	101.0 104.7	97.8	96.1	94.2 96.9	92.5	90.2	88.3 90.4	86.6	84.8	83.0 84.8	81.5	79.9	78.4	77.2	76.0	74.7	73.6	
SMR: persons Expectation of life: males	113.4 77.8	78.6	101.6 78.9	99.2 79.3	96.9 79.6	94.8 79.9	92.5 80.2	90.4 80.6	88.5 80.8	86.6 81.1	84.8	83.2 81.6	81.6 81.9	80.1 82.1	78.8 82.3	77.5 82.5	76.2 82.7	75.1 82.9	
Expectation of life: females	82.3	83.4	83.7	83.9	84.2	84.4	84.6	84.9	85.1	85.3	85.6	85.8	86.0	86.2	86.4	86.6	86.8	86.9	
Expectation of life: persons	80.2	81.2	81.5	81.8	82.1	82.3	82.6	82.9	83.1	83.4	83.6	83.9	84.1	84.3	84.5	84.7	84.9	85.1	
Deaths input																			
In-migration from the UK																			
Male	3,867	2,264	4,009	3,976	4,042	4,079	4,078	4,091	4,129	4,120	4,114	4,115	4,069	4,049	4,047	4,038	4,029	4,012	
Female All	3,961 7,828	2,318 4,583	4,101 8,111	4,061 8,037	4,120 8,162	4,149 8,228	4,141 8,219	4,145 8,236	4,176 8,306	4,158 8,278	4,144 8,258	4,138 8,252	4,090 8,158	4,067 8,116	4,066 8,113	4,058 8,097	4,050 8,079	4,034 8,047	
SMigR: males	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Migrants input																			
Out-migration to the UK																			
Male Female	3,920	5,515	3,793	3,843	3,769	3,727	3,720	3,696	3,646	3,637	3,628	3,621	3,684	3,709	3,715	3,732	3,764	3,794	
Female All	4,077 7,998	5,733 11,248	3,928 7,722	3,973 7,815	3,887 7,656	3,836 7,563	3,814 7,534	3,783 7,479	3,716 7,361	3,710 7,347	3,700 7,329	3,679 7,300	3,717 7,401	3,757 7,466	3,766 7,481	3,785 7,517	3,812 7,576	3,851 7,645	
SMigR: males	30.1	42.3	30.3	30.6	30.1	29.8	29.7	29.6	29.2	29.2	29.1	29.1	29.5	29.7	29.8	29.9	30.1	30.3	
SMigR: females	30.1	42.4	30.5	30.8	30.3	29.9	29.8	29.7	29.2	29.2	29.1	29.0	29.3	29.6	29.6	29.8	29.9	30.2	
Migrants input	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
In-migration from Overseas																			
Male	387	388 341	387	406	393	396	386	386	386	386	386	386	386	386	386	386	386	386	
Female All	340 727	341 729	340 727	354 760	345 738	347 743	340 726												
SMigR: males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Migrants input																			
Out-migration to Overseas																			
Male	309	309	310	309	310	310	310	310	310	310	310	310	310	310	310	310	310	310	
Female All	240 549	240 549	240 550	240 549	240 550														
SMigR: males	43.2	43.2	45.2	45.1	45.2	45.2	45.1	45.2	45.3	45.3	45.4	45.5	45.6	45.6	45.7	45.8	45.9	45.9	
SMigR: females	41.7	41.9	44.2	44.2	44.4	44.5	44.6	44.7	44.9	44.9	45.1	45.2	45.4	45.6	45.8	45.9	46.0	46.1	
Migrants input																			
Migration - Net Flows																			
UK	-170	-6,665	+389	+222	+506	+665	+685	+757	+944	+931	+929	+952	+757	+650	+632	+579	+503	+402	
Overseas	+178	+179	+177	+211	+188	+193	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	
Summary of population change																			
Natural change Net migration	-460 +8	-229 -6,486	-314 +566	-319 +433	-323 +694	-317 +858	-310 +861	-310 +933	-322 +1,121	-330 +1,107	-336 +1,106	-350 +1,129	-365 +933	-387 +826	-413 +808	-445 +755	-475 +679	-511 +578	
Net change	-452	-6,715	+252	+114	+371	+541	+551	+623	+798	+777	+770	+779	+569	+440	+395	+310	+204	+67	
Crude Birth Rate /000	10.07	10.29	9.87	9.83	9.79	9.82	9.81	9.80	9.76	9.74	9.72	9.69	9.65	9.61	9.56	9.51	9.45	9.39	
Crude Death Rate /000	11.75	11.14	11.04	11.02	11.00	11.00	10.97	10.95	10.96	10.96	10.96	10.97	10.99	11.02	11.07	11.13	11.19	11.26	
Crude Net Migration Rate /000	0.03	-24.03	2.12	1.62	2.60	3.21	3.21	3.47	4.16	4.10	4.08	4.15	3.43	3.03	2.96	2.76	2.48	2.11	
Summary of Population	estimate	s/foreca	sts																
	Population a	t mid-year																	
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	20
0-4 5-10	14,651 16,812	14,622 17,010	14,108 16,898	13,949 17,243	13,800 17,595	13,765 17,700	13,806 17,672	13,766 17,715	13,779 17,721	13,803 17,611	13,825 17,509	13,835 17,502	13,837 17,555	13,817 17,525	13,784 17,525	13,743 17,519	13,689 17,506	13,627 17,470	13,5
11-15	15,583	14,886	14,246	13,980	13,803	13,838	14,060	14,324	14,548	14,927	15,144	15,192	15,170	15,221	15,112	15,008	14,972	14,996	14,9
16-17	6,788	6,620	6,192	5,825	5,611	5,448	5,319	5,206	5,215	5,231	5,363	5,595	5,696	5,704	5,803	5,902	5,825	5,694	5,6
18-59Female, 64Male 60/65 -74	151,774 39,026	151,190 39,401	145,763 39,729	145,419 40,361	144,751 40,943	144,076 41,603	143,354 42,143	142,550 42.589	141,781 43,195	140,804 43,971	139,891 43,835	138,925 44,150	138,036 44,810	137,048 45,581	136,096 46,279	135,306 46,866	134,558 47,440	133,744 47,864	132,9
75-84	21,169	21,446	21,372	21,416	21,388	21,466	21,754	22,119	22,314	22,666	23,837	24,548	25,133	25,631	26,107	26,456	26,699	26,994	27,3
85+	7,894	8,071	8,223	8,589	9,006	9,373	9,701	10,091	10,430	10,766	11,152	11,581	11,868	12,148	12,408	12,710	13,130	13,633	13,9
Total	273,697	273,245	266,530	266,783	266,897	267,268	267,809	268,360	268,983	269,781	270,558	271,327	272,106	272,675	273,114	273,509	273,820	274,023	274,0
Dependency ratios, mean age and	sex ratio																		
0-15 / 16-65	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.
65+ / 16-65 0-15 and 65+ / 16-65	0.35 0.63	0.36 0.64	0.38	0.38 0.67	0.39	0.40	0.40	0.41	0.42 0.71	0.43	0.44	0.45 0.75	0.46 0.76	0.47	0.48	0.50 0.80	0.51 0.81	0.52 0.83	0.
Median age males	42.3	42.5	43.3	43.5	43.7	43.9	44.0	44.0	44.0	43.9	43.8	43.7	43.7	43.8	43.8	43.9	44.0	44.1	4
Median age females	45.3	45.7	46.5	46.8	47.1	47.3	47.6	47.8	48.0	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	4
Sex ratio males /100 females	92.0	92.2	92.2	92.3	92.4	92.6	92.7	92.8	93.0	93.1	93.2	93.4	93.5	93.6	93.7	93.8	93.9	93.9	94
Population impact of constraint		_				_	_							_					
Number of persons		-285	-6,813	+198	+15	+238	+347	+315	+346	+494	+458	+444	+447	+245	+126	+78	-7	-95	-2
Labour Force																			
Number of Labour Force	131,601	137,042	132,805	132,720	132,621	132,537	132,452	132,354	132,269	132,269	132,269	132,269	132,269	132,269	132,269	132,269	132,269	132,269	132,2
Change in Labour Force over previous yes Number of supply units	ar 97,321	+5,441 97,321	-4,237 97,321	-85 97,321	-99 97,321	-85 97,321	-85 97,321	-99 97,321	-84 97,321	+0 97,321	0 97,321	+0 97,321	+0 97,321	0 97,321	-0 97,321	-0 97,321	0 97,321	-0 97,321	97,3
Change in over previous year	01,321	97,321	97,321	97,321	97,321 -0	97,321 +0	97,321 +0	+0	97,321	+0	97,321	97,321 +0	97,321 +0	97,321	97,321 -0	97,321 -0	97,321	97,321	97,3
•																			
Households																			
Number of Households	118,576	118,877	117,141	117,737	118,280	118,907	119,566	120,257	120,954	121,687	122,369	123,045	123,752	124,382	125,013	125,640	126,164	126,649	127,0
Change in Households over previous year		+301	-1,736	+596	+543	+627	+660	+691	+697	+733	+682	+676	+707	+630	+631	+628	+523	+486	+4
Number of supply units	124,358	124,674	122,854	123,478	124,048	124,705	125,397	126,122	126,853	127,622	128,336	129,046	129,787	130,448	131,109	131,767	132,316	132,826	133,2
Change in over previous year		+316	-1,821	+625	+570	+657	+692	+724	+731	+769	+715	+709	+741	+660	+662	+658	+549	+509	+4

Sefton

Components of Populat	ion Cha	nge				Scenar	io H: Bl	ended J	lob Grov	vth - Eco	nomic A	Activity	Rates S	ensitivi	ty
	Year begin	nning July 1	st												
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026
Births															
Mala	1.410	1.46	0 1 40	0 1 500	1.50	0 1.64	1 545	7 1.66	0 1 550	1 550	1 504	1 505	1 502	1 550	

	Year beginn											,		,					
Births	2012-13 2	2013-14 2	014-15 2	015-16 2	016-17 2	017-18 2	018-19 2	019-20 2	020-21 2	021-22 2	022-23 2	023-24 2	024-25 2	025-26 2	026-27 2	027-28 2	2028-29 2	029-30	
Male	1,410	1,458	1,498	1,523	1,530	1,542	1,547	1,550	1,552	1,559	1,564	1,565	1,563	1,556	1,544	1,530	1,515	1,499	
Female All Births	1,343 2.754	1,389	1,427	1,451 2,974	1,457	1,469 3.011	1,474 3.021	1,476	1,478	1,485	1,489	1,491 3,056	1,489 3.052	1,482	1,470	1,457 2,987	1,443 2,958	1,428	
TFR	1.84	2,847 1.86	2,925 1.86	1.85	2,987 1.85	1.85	1.85	3,026 1.85	1.85	1.85	1.85	1.85	1.85	1.85	3,014 1.84	1.84	1.84	1.84	
Births input																			
Deaths																			
Male Female	1,521	1,462 1.560	1,463	1,460 1,557	1,457 1,558	1,458 1,562	1,461 1,556	1,461	1,468 1,562	1,478 1,564	1,486	1,496 1,572	1,508	1,522	1,534	1,547 1,594	1,560 1,601	1,576	
All deaths	3,214	3,022	3,011	3,017	3,015	3,020	3,017	3,018	3,029	3,042	3,052	3,068	3,083	3,100	3,119	3,141	3,161	3,184	
SMR: males	116.0	108.9	105.9	102.8	100.0	97.5	95.1	92.7	90.6	88.7	86.8	85.0	83.4	82.0	80.6	79.2	77.9	76.8	
SMR: females SMR: persons	111.3 113.4	101.0 104.7	97.8 101.6	96.1 99.2	94.2 96.9	92.5 94.8	90.2 92.5	88.3 90.4	86.6 88.5	84.8 86.6	83.0 84.8	81.5 83.2	79.9 81.6	78.4 80.1	77.2 78.8	76.0 77.5	74.7 76.2	73.6 75.1	
Expectation of life: males	77.8	78.6	78.9	79.3	79.6	79.9	80.2	80.6	80.8	81.1	81.4	81.6	81.9	82.1	82.3	82.5	82.7	82.9	
Expectation of life: females Expectation of life: persons	82.3 80.2	83.4 81.2	83.7 81.5	83.9 81.8	84.2 82.1	84.4 82.3	84.6 82.6	84.9 82.9	85.1 83.1	85.3 83.4	85.6 83.6	85.8 83.9	86.0 84.1	86.2 84.3	86.4 84.5	86.6 84.7	86.8 84.9	86.9 85.0	
Deaths input																			
In-migration from the UK																			
Male Female	4,620 4,733	4,637 4,748	4,531 4,635	4,104 4,192	4,083 4,162	4,099 4,169	4,103 4,167	4,189 4,244	4,321 4,371	4,301 4,341	4,297 4,327	4,266 4,290	4,175 4,196	4,111 4,130	4,099 4,118	4,089 4,110	4,081 4,102	4,041 4.063	
All	9,352	9,385	9,166	8,295	8,245	8,268	8,270	8,433	8,692	8,642	8,624	4,290 8,557	8,371	8,241	8,217	8,198	8,183	8,105	
SMigR: males	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
SMigR: females Migrants input	• 0.1	0.1	• 0.1	• 0.1	• 0.1	• 0.1	• 0.1	• 0.1	. 0.1	0.1	• 0.1	• 0.1	• 0.1	• 0.1	• 0.1	• 0.1	• 0.1	. 0.1	
Out-migration to the UK																			
Male	3,173	3,160	3,275	3,716	3,727	3,707	3,695	3,598	3,454	3,457	3,447	3,470	3,579	3,646	3,663	3,682	3,712	3,765	
Female All	3,300 6,473	3,285 6.445	3,391 6.666	3,841 7,557	3,845 7,572	3,816 7,523	3,788 7,483	3,683 7,282	3,521 6,975	3,526 6,983	3,516 6,962	3,525 6,995	3,610 7,189	3,694 7,341	3,714 7,377	3,734 7,415	3,760 7,472	3,821 7.587	
SMigR: males	24.4	23.8	24.3	27.2	27.3	27.1	27.1	26.4	25.4	25.4	25.2	25.3	26.1	26.5	26.6	26.7	26.9	27.2	
SMigR: females Migrants input	24.4	23.8	24.2	27.1	27.2	27.1	27.0	26.4	25.3	25.3	25.2	25.2	25.8	26.3	26.4	26.6	26.7	27.1	
In-migration from Overseas Male	387	388	387	406	393	396	386	386	386	386	386	386	386	386	386	386	386	386	
Female	340	341	340	354	345	347	340	340	340	340	340	340	340	340	340	340	340	340	
All SMigR: males	727 0.0	729 0.0	727 0.0	760 0.0	738 0.0	743 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	
SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Out-migration to Overseas																			
Male Female	309 240	309 240	310 240	309 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	310 240	
All	549	549	550	549	550	550	550	550	550	550	550	550	550	550	550	550	550	550	
SMigR: males SMigR: females	43.2 41.7	42.4 40.9	41.6 40.1	41.0 39.5	40.9 39.5	40.9 39.6	40.9 39.7	41.0 39.9	41.1 40.1	41.1 40.1	41.1 40.2	41.1 40.3	41.1 40.4	41.2 40.6	41.3 40.8	41.4 41.0	41.4 41.1	41.5 41.2	
Migrants input	• 41.7	40.9	• 40.1	. 39.5	. 39.5	. 39.6	. 39.7	. 39.9	• 40.1	• 40.1	• 40.2	• 40.3	• 40.4	. 40.6	• 40.8	• 41.0	• 41.1	41.2	
Migration - Net Flows																			
UK	+2,879	+2,940	+2,500	+738	+673	+745	+787	+1,151	+1,717	+1,660	+1,662	+1,562	+1,182	+901	+840	+783	+712	+518	
Overseas	+178	+179	+177	+211	+188	+193	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	
Summary of population change																			
Natural change Net migration	-460 +3,057	-175 +3.119	-85 +2.677	-43 +949	-28 +861	-9 +938	+4	+8	+1.893	+1.836	+1.838	-12 +1.738	-31 +1.358	-62 +1.077	-104 +1.016	-154 +959	-203 +888	-257 +694	
Net change	+2,597	+2,944	+2,591	+906	+833	+929	+968	+1,335	+1,894	+1,837	+1,839	+1,726	+1,328	+1,014	+912	+805	+685	+437	
Crude Birth Rate /000 Crude Death Rate /000	10.01	10.25 10.88	10.43	10.54 10.69	10.55 10.65	10.60	10.60 10.59	10.58 10.55	10.53 10.53	10.51	10.47 10.47	10.42 10.46	10.36 10.46	10.26 10.48	10.15 10.50	10.03 10.55	9.91 10.59	9.79 10.65	
Crude Net Migration Rate /000	11.12	11.23	9.54	3.36	3.04	3.30	3.38	4.64	6.58	6.34	6.31	5.93	4.61	3.64	3.42	3.22	2.97	2.32	
Summary of Populatio	n estimate	s/foreca	sts																
	Population a																		
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-4 5-10	14,651 16,812	14,865 17,170	15,145 17,593	15,260 18,146	15,264 18,648	15,342 18,900	15,496 19,008	15,603 19,152	15,707 19,339	15,826 19,418	15,926 19,492	15,998 19,651	16,039 19,872	16,029 20,024	15,980 20,122	15,901 20,184	15,796 20,216	15,669 20,203	15,515 20,146
11-15 16-17	15,583	14,994	14,685	14,488	14,344	14,417	14,684	14,999	15,296	15,800	16,156	16,361	16,485	16,640	16,661	16,685	16,770	16,928	17,036
16-17 18-59Female, 64Male	6,788 151,774	6,686 153,392	6,455 154,901	6,088 156,142	5,849 155,888	5,664 155,361	5,531 154,701	5,421 153,968	5,446 153,475	5,491 153,035	5,655 152,630	5,923 152,172	6,055 151,714	6,094 151,037	6,255 150,285	6,428 149,679	6,408 149,146	6,313 148,573	6,310 147,962
60/65 -74	39,026	39,539	40,316	41,075	41,717	42,424	43,008	43,498	44,163	45,021	44,953	45,348	46,092	46,940	47,707	48,362	49,008	49,503	49,896
75-84 85+	21,169 7,894	21,521 8,127	21,684 8,460	21,769 8,863	21,739 9,286	21,810 9,651	22,096 9,974	22,465 10,359	22,675 10,700	23,057 11,049	24,274 11,448	25,028 11,891	25,652 12,189	26,185 12,475	26,694 12,736	27,073 13,040	27,347 13,466	27,675 13,978	28,075 14,340
Total	273,697	276,294	279,238	281,830	282,736	283,569	284,498	285,466	286,801	288,696	290,533	292,372	294,098	295,425	296,440	297,352	298,157	298,842	299,279
Dependency ratios, mean age a																			
0-15 / 16-65 65+ / 16-65	0.28 0.35	0.28 0.36	0.28 0.36	0.28	0.28	0.29	0.29 0.38	0.29	0.30	0.30	0.31	0.31	0.31	0.31 0.44	0.31	0.32	0.32 0.47	0.32	0.32 0.50
0-15 and 65+ / 16-65	0.63	0.64	0.64	0.65	0.65	0.66	0.67	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.77	0.78	0.79	0.81	0.82
Median age males Median age females	42.3 45.3	42.3 45.4	42.4 45.5	42.4 45.6	42.5 45.8	42.6 46.0	42.6 46.2	42.5 46.4	42.4 46.5	42.3 46.5	42.2 46.5	42.2 46.4	42.2 46.2	42.2 46.1	42.3 46.1	42.4 46.2	42.5 46.3	42.6 46.3	42.8 46.5
Sex ratio males /100 females	92.0	92.2	92.4	92.6	92.7	92.9	93.0	93.1	93.3	93.4	93.6	93.7	93.9	94.0	94.1	94.2	94.3	94.4	94.5
Population impact of constraint Number of persons	t	+2,764	+2,792	+2,308	+531	+406	+427	+417	+741	+1,267	+1,187	+1,177	+1,056	+670	+376	+287	+197	+113	-99
		,,,,,	,- 02	,500		. 700				,_0*	,	,	,500	. 570	.310	0,			
Labour Force Number of Labour Force	131,601	138,923	140,656	142,052	142,393	142,486	142,499	142,504	142,695	143,196	143,672	144,152	144,563	144,885	145,118	145,337	145,558	145,781	145,995
Change in Labour Force over previous	year	+7,322	+1,733	+1,395	+341	+93	+13	+5	+191	+501	+476	+479	+412	+322	+233	+219	+221	+223	+214
Number of supply units Change in over previous year	97,321	98,657 +1,336	103,075 +4,418	104,164 +1,089	104,492 +328	104,627 +135	104,703 +76	104,785 +82	104,993 +208	105,361 +369	105,712 +350	106,064 +353	106,367 +303	106,604 +237	106,775 +172	106,936 +161	107,099 +163	107,263 +164	107,421 +157
		.,,	. ,	,											=				
Households																			
Number of Households Change in Households over previous	118,576	119,926 +1,350	121,552 +1,626	123,053 +1,501	123,957 +904	124,817 +860	125,680 +863	126,593 +913	127,618 +1,024	128,794 +1,176	129,895 +1,101	130,995 +1,099	132,088 +1,094	133,039 +951	133,914 +875	134,760 +846	135,490 +730	136,184 +694	136,783 +599
Number of supply units	year 124,358	+1,350 125,775	+1,626 127,479	+1,501 129,054	+904 130,002	+860 130,904	+863 131,810	+913 132,767	+1,024 133,841	+1,176	+1,101	+1,099	+1,094	+951 139,527	+875 140,444	+846 141,332	+730 142,098	+694 142,825	+599 143,454
Observation and the second		11.410	. 1 70F	. 1 575	.040	.000	-005	0.057	11.074	1 224	. 1 166	11152	11147	.007	.017	.007	.700	. 720	.000

Population Estimate	es and Fo	recast	s	9	Sefton			NLP											
Components of Popula		-				Scenario	A: 201	12 SNPI	P, 2012	Headshi	ip Rates	- Unem	ployme	nt Rates	s Sensit	ivity			
	Year beginn 2012-13 2			2015-16 2	016-17	2017-18 2	018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	
Births																			
Male	1,410	1,425	1,430	1,425	1,422	1,427	1,425	1,422				1,389		1,366				1,321	
Female Aff Blatter	1,343	1,357	1,362	1,357	1,355	1,359	1,358	1,354	1,348					1,30					
All Births TFR	2,754 1.84	2,782 1.86	2,792 1.86	2,783 1.85	2,777	2,786 1.85	2,783 1.85	2,776	2,763			2,712		2,666				2,579	
Births input	•		•		•			•	• 1.00	• 1.00	• 1.03	•	•		• 1.0	• 1.0-	• 1.04	. 1.04	
Deaths Male	1.521	1.459	1.454	1,448	1.445	1.446	1,448	1.448	1.454	1.461	1.468	1.476	1.486	1,499	9 1.51	1 1.523	3 1.536	1.552	
Female	1,693	1,554	1,534	1,537	1,537	1,540	1,533	1,533	1,537					1,549					
All deaths	3,214	3,013	2,989	2,986	2,981	2,986	2,981	2,981	2,991	2,999	3,007	3,019	3,032	3,049	9 3,06	8 3,091	1 3,111	3,135	
SMR: males	116.0	108.9	105.9	102.8	100.0	97.5	95.1	92.7	90.6	88.7	7 86.8	85.0	83.4	82.0			2 77.9	76.8	
SMR: females	111.3	101.0	97.8	96.1	94.2	92.5	90.2	88.3	86.6					78.4					
SMR: persons	113.4	104.7	101.6	99.2	96.9	94.8	92.5	90.4	88.5					80.2					
Expectation of life: males	77.8 82.5	78.5 83.4	78.8 83.7	79.2 83.9	79.5 84.1	79.8	80.1 84.6	80.4	80.7				81.7 85.9	82.0 86.1					
Expectation of life: females Expectation of life: persons	82.5	83.4	83.7	83.9	84.1	84.4 82.3	84.5	84.8 82.8	83.0					84.2				86.8	
Deaths input		. 01.2	•	•	• 02.0	•	•	• 02.0	•	•	• 00.0	• 03.7			. 04.	• •	. 04.7		
In-migration from the UK Male	3.937	3.947	3.960	3.973	3.983	3.993	4.000	4.005	4.007	7 4.006	3 4.004	4.003	4.008	4.017	7 4.02	8 4.040	0 4.053	4.066	
Female	4.033	4.042	4,051	4.057	4.060	4,062	4,000	4,005	4,007					4,01					
All	7,970	7,989	8,012	8,030	8,043	8,054	8,062	8,063	8,059					8,050				8,154	
SMigR: males	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1	0.				0.1	
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.	1 0.	1 0.1	1 0.1	0.1	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Out-migration to the UK																			
Male	3,850	3,844	3,842	3,846	3,827	3,812	3,798	3,781	3,768	3,751	3,738	3,732	3,746	3,740	0 3,73	5 3,731	1 3,740	3,741	
Female	4,005	3,997	3,979	3,976	3,948	3,924	3,894	3,871	3,840	3,825	5 3,813	3,791	3,778	3,789	9 3,78	6 3,784	4 3,788	3,797	
All	7,855	7,841	7,821	7,822	7,775	7,736	7,692	7,652	7,608			7,524		7,529					
SMigR: males	29.6	29.5	29.5	29.6	29.5	29.5	29.5	29.5	29.5					29.8					
SMigR: females Migrants input	29.6	29.6	29.6	29.6	29.6	29.5	29.5	29.5	29.4	29.4	1 29.4	29.4	29.4	29.5	5 29.	5 29.4	4 29.4	29.4	
wigrants input																			
In-migration from Overseas																			
Male	661	643	639	660	636	629	625	617						619					
Female	654	644	639	645	628	622	612	605				599		608				623	
All	1,315	1,286	1,277	1,306	1,264	1,252	1,237	1,223						1,228					
SMigR: males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						0.0					
SMigR: females Migrants input	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Out-migration to Overseas Male	584	565	561	563	552	542	547	539	536	5 540	536	531	538	54	1 54	1 545	5 556	552	
Female	554	543	538	531	523	515	512	505	502					50					
All	1,138	1,108	1,099	1,094	1,074	1,057	1,059	1,043	1,038	1,046	1,039	1,028	1,040	1,048	B 1,04	7 1,061		1,075	
SMigR: males	81.7	78.9	78.3	78.7	77.3	76.2	77.2	76.5	76.6	77.6	3 77.6	77.3	78.9	79.6	6 79.	9 80.8	82.5	81.9	
SMigR: females	96.3	94.7	94.2	93.1	92.0	91.2	91.2	90.7	90.9	92.4	92.6	92.5	93.9	95.7	7 96.0	0 98.0	99.2	99.8	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Migration - Net Flows																			
UK	+115	+148	+191	+208	+268	+318	+370	+411	+451					+524					
Overseas	+176	+178	+178	+212	+190	+195	+179	+179	+179	+180	+180	+180	+180	+179	9 +17	9 +178	3 +178	+178	
Summary of population change																			
Natural change	-460	-231	-197	-203	-204	-200	-198	-206	-228			-307		-38					
Net migration	+291	+326	+370	+419	+457	+513	+549	+590	+630					+704				+795	
Net change Crude Birth Bate /000	-169	+95	+172	+216	+253	+313	+351	+384	+402					+32					
Crude Birth Hate /000 Crude Death Bate /000	10.06 11.75	10.17	10.20	10.16 10.90	10.13	10.15	10.13 10.85	10.09	10.03			9.80	9.71	9.6					
Crude Net Migration Rate /000	1.07	1.19	1.35	1.53	1.67	1.87	2.00	2.14				2.48		2.5				2.85	
Summary of Population			asts																
	Population a		0011	2015	004-	0047	004-	00:17	00		0000	0000	200	00-			, ,,,,,,	2000	2222
0-4	2012 14,651	2013 14,644	2014 14,670	2015 14,547	2016 14,437	2017 14,417	2018 14,454	2019 14,458	2020			2023 14,339	2024 14,267	2025 14,18				2029 13,760	2030 13,652
5-10	14,651	14,644	14,670	17,547	14,437	14,417	14,454	14,458	18,379			14,339	14,267	14,18				13,760	13,652 17,922
11-15	15,583	14,952	14,550	14,264	14,093	14,127	14,361	14,634	14,875				15,647	15,70					15,579
16-17	6,788	6,789	6,637	6,290	6,064	5,881	5,740	5,613				6,020		6,139					6,232
18-59Female, 64Male	151,774	151,156	150,498	149,989	149,300	148,455	147,479	146,453	145,436			141,515		139,12					135,139
60/65 -74	39,026	39,393	40,023	40,650	41,239	41,901	42,421	42,843				44,235	44,860	45,609		3 46,851	1 47,417	47,858	48,211
75-84	21,169	21,469	21,586	21,645	21,640	21,728	22,027	22,394	22,586			24,794		25,870					27,625
85+	7,894	8,099	8,375	8,733	9,142	9,498	9,818	10,214						12,396					14,298
Total	273,697	273,528	273,624	273,796	274,012	274,266	274,579	274,929	275,314	275,715	5 276,116	276,506	276,885	277,234	4 277,55	5 277,862	2 278,155	278,419	278,658
Dependency ratios, mean age a																			
0-15 / 16-65	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29											0.31
65+ / 16-65	0.35	0.36	0.37	0.38	0.38	0.39	0.40	0.41	0.41										0.53
0-15 and 65+ / 16-65 Median age males	0.63 42.3	0.64 42.5	0.65 42.8	0.66 43.0	0.67 43.2	0.68 43.4	0.69 43.5	0.70 43.5											0.84 44.1
Median age males Median age females	42.3 45.3	42.5 45.6	42.8 45.9	43.0 46.2	43.2 46.5	43.4 46.8	43.5 47.0	43.5 47.2											44.1 48.2
Sex ratio males /100 females	92.0	92.2	92.3	92.4	92.6	92.7	92.8	92.9											94.0
										20.2	-5.0	-5.4	23.0		50.	20.0	23.0		

Median age females	45.3	45.6	45.9	46.2	46.5	46.8	47.0	47.2	47.5	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.2
Sex ratio males /100 females	92.0	92.2	92.3	92.4	92.6	92.7	92.8	92.9	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.0
Population impact of constraint																			
Number of persons		-2	-1	+1	+1	+2	+2	+2	+3	+3	+3	+3	+4	+4	+3	+3	+2	+2	+2
Households																			
Number of Households	118,576	119,008	119,612	120,251	120,915	121,577	122,207	122,837	123,483	124,107	124,671	125,213	125,752	126,290	126,865	127,454	127,962	128,457	128,944
Change in Households over previous year		+432	+605	+639	+664	+662	+630	+630	+646	+623	+564	+542	+539	+538	+576	+589	+508	+494	+487
Number of supply units	124,358	124,811	125,446	126,116	126,812	127,506	128,167	128,828	129,505	130,159	130,751	131,319	131,884	132,449	133,052	133,670	134,203	134,721	135,232
Change in over previous year		+453	+634	+670	+696	+694	+661	+661	+677	+654	+592	+569	+565	+564	+604	+618	+533	+518	+511
Labour Force																			
Number of Labour Force	131,601	137,219	137,056	136,860	136,643	136,306	135,888	135,665	135,410	134,628	133,796	132,947	132,097	131,327	130,605	130,148	129,736	129,144	128,679
Change in Labour Force over previous year		+5,618	-163	-196	-217	-337	-418	-222	-255	-782	-832	-849	-850	-770	-722	-457	-412	-592	-465
Number of supply units	97,321	97,447	100,436	100,357	100,272	100,089	99,846	99,756	99,632	99,246	98,821	98,391	97,948	97,562	97,209	97,052	96,937	96,676	96,509
Change in over previous year		+126	+2,989	-79	-85	-184	-243	-89	-124	-386	-425	-430	-444	-386	-352	-157	-114	-261	-167

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Components of Population Chan	ae	Chan	on C	pulatio	Po	of	ponents	Com
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Scenario Ai: 2012 SNPP, PCU - Unemployment Rates Sensitivity

Components of Population						bcenanc	AI. 201	2 SINFF	, PCU -	Onempi	Oyment	nates 3	ensitivii	ıy					
		ing July 1st 2013-14 2	014-15 2	015-16 2	016-17 2	017-18 2	018-19 2	019-20 2	2020-21	2021-22 2	022-23 2	023-24 2	024-25 2	025-26 2	026-27 2	027-28 2	028-29 2	029-30	
Births																			
Male Female	1,410 1,343	1,425 1,357	1,430	1,425 1,357	1,422	1,427	1,425 1,358	1,422	1,415 1,348	1,407 1,340	1,399	1,389	1,378	1,366	1,354 1,289	1,342 1,278	1,331	1,321	
All Births	2,754	2,782	2,792	2,783	2,777	2,786	2,783	2,776	2,763	2,748	2,732	2,712	2,690	2,666	2,643	2,620	2,599	2,579	
TFR	1.84	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	
Births input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Deaths																			
Male	1,521	1,459	1,454	1,448	1,445	1,446	1,448	1,448	1,454	1,461	1,468	1,476	1,486	1,499	1,511	1,523	1,536	1,552	
Female	1,693	1,554	1,534	1,537	1,537	1,540	1,533	1,533	1,537	1,538	1,538	1,543	1,546	1,549	1,557	1,568	1,575	1,583	
All deaths SMR: males	3,214 116.0	3,013 108.9	2,989 105.9	2,986 102.8	2,981 100.0	2,986 97.5	2,981 95.1	2,981 92.7	2,991 90.6	2,999 88.7	3,007 86.8	3,019 85.0	3,032 83.4	3,049 82.0	3,068 80.6	3,091 79.2	3,111 77.9	3,135 76.8	
SMR: females	111.3	101.0	97.8	96.1	94.2	92.5	90.2	88.3	86.6	84.8	83.0	81.5	79.9	78.4	77.2	76.0	74.7	73.6	
SMR: persons	113.4	104.7	101.6	99.2	96.9	94.8	92.5	90.4	88.5	86.6	84.8	83.2	81.6	80.2	78.8	77.5	76.2	75.1	
Expectation of life: males	77.8	78.5	78.8	79.2	79.5	79.8	80.1	80.4	80.7	81.0	81.2	81.5	81.7	82.0	82.2	82.4	82.6	82.8	
Expectation of life: females Expectation of life: persons	82.5 80.3	83.4 81.2	83.7 81.5	83.9 81.7	84.1 82.0	84.4 82.3	84.6 82.5	84.8 82.8	85.0 83.0	85.3 83.3	85.5 83.5	85.7 83.7	85.9 84.0	86.1 84.2	86.3 84.4	86.5 84.6	86.7 84.7	86.8 84.9	
Deaths input	•		•	•						•		•			•			•	
h																			
In-migration from the UK Male	3,937	3,947	3,960	3,973	3,983	3,993	4,000	4,005	4,007	4,006	4,004	4,003	4,008	4,017	4,028	4,040	4,053	4,066	
Female	4,033	4,042	4,051	4,057	4,060	4,062	4,062	4,058	4,052	4,043	4,032	4,026	4,028	4,036	4,046	4,060	4,074	4,088	
All	7,970	7,989	8,012	8,030	8,043	8,054	8,062	8,063	8,059	8,049	8,036	8,029	8,036	8,053	8,074	8,100	8,127	8,154	
SMigR: males SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Migrants input	0.1	0.1	0.1	0.1	• 0.1	0.1	• 0.1	• 0.1	0.1	• 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Out-migration to the UK Male	3.850	3,844	3,842	3,846	3.827	3,812	3.798	3,781	3,768	3.751	3,738	3,732	3.746	3,740	3,735	3,731	3,740	3,741	
Male Female	3,850 4,005	3,844	3,842	3,846	3,827	3,812	3,798	3,781	3,768	3,751	3,738	3,732	3,746	3,740	3,735	3,731	3,740	3,741	
All	7,855	7,841	7,821	7,822	7,775	7,736	7,692	7,652	7,608	7,576	7,551	7,524	7,524	7,529	7,520	7,514	7,528	7,537	
SMigR: males	29.6	29.5	29.5	29.6	29.5	29.5	29.5	29.5	29.5	29.5	29.6	29.6	29.8	29.8	29.8	29.7	29.8	29.7	
SMigR: females Migrants input	29.6	29.6	29.6	29.6	29.6	29.5	29.5	29.5	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.4	29.4	29.4	
granto input																			
In-migration from Overseas																			
Male Female	661	643 644	639	660	636	629	625	617	615	619	615	610	617	619	619	623	634	630	
Female All	654 1,315	1,286	639 1,277	645 1,306	628 1,264	622 1,252	612 1,237	605 1,223	602 1,217	607 1,226	604 1,219	599 1,208	602 1,220	608 1,228	608 1,227	616 1,239	621 1,255	623 1,253	
SMigR: males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Out-migration to Overseas																			
Male	584	565	561	563	552	542	547	539	536	540	536	531	538	541	541	545	556	552	
Female	554	543	538	531	523	515	512	505	502	506	503	498	501	508	507	516	521	523	
All SMigR: males	1,138 81.7	1,108 78.9	1,099 78.3	1,094 78.7	1,074 77.3	1,057 76.2	1,059 77.2	1,043 76.5	1,038 76.6	1,046 77.6	1,039 77.6	1,028 77.3	1,040 78.9	1,048 79.6	1,047 79.9	1,061 80.8	1,077 82.5	1,075 81.9	
SMigR: females	96.3	94.7	94.2	93.1	92.0	91.2	91.2	90.7	90.9	92.4	92.6	92.5	93.9	95.7	96.0	98.0	99.2	99.8	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Migration - Net Flows																			
UK	+115	+148	+191	+208	+268	+318	+370	+411	+451	+473	+485	+505	+512	+524	+553	+586	+598	+617	
Overseas	+176	+178	+178	+212	+190	+195	+179	+179	+179	+180	+180	+180	+180	+179	+179	+178	+178	+178	
Summary of population change																			
Natural change	-460	-231	-197	-203	-204	-200	-198	-206	-228	-252	-274	-307	-343	-382	-425	-471	-513	-556	
Net migration	+291	+326	+370	+419	+457	+513	+549	+590	+630	+652	+665	+685	+692	+704	+733	+764	+777	+795	
Net change Crude Birth Rate /000	-169 10.06	+95 10.17	+172 10.20	+216 10.16	+253 10.13	+313 10.15	+351 10.13	+384	+402 10.03	+401 9.96	+390 9.89	+378 9.80	+349 9.71	+321 9.61	+308 9.52	+293 9.42	+264 9.34	+239 9.26	
Crude Death Rate /000	11.75	11.01	10.92	10.90	10.88	10.88	10.85	10.84	10.86	10.87	10.88	10.91	10.94	10.99	11.05	11.12	11.18	11.25	
Crude Net Migration Rate /000	1.07	1.19	1.35	1.53	1.67	1.87	2.00	2.14	2.29	2.36	2.41	2.48	2.50	2.54	2.64	2.75	2.79	2.85	
Summary of Population e	ctimato	c/foroca	ete																
	Population a		313																
r	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-4	14,651	14,644	14,670	14,547	14,437	14,417	14,454	14,458	14,446	14,425	14,393	14,339	14,267	14,181	14,085	13,981	13,871	13,760	13,652
5-10	16,812	17,026	17,283	17,678	18,097	18,259	18,279	18,321	18,379	18,289	18,193	18,177	18,211	18,208	18,183	18,145	18,094	18,017	17,922
11-15 16-17	15,583 6,788	14,952 6,789	14,550 6,637	14,264 6,290	14,093 6,064	14,127 5,881	14,361 5,740	14,634 5,613	14,875 5,614	15,286 5,624	15,540 5,764	15,627 6,020	15,647 6,130	15,706 6,139	15,637 6,268	15,558 6,415	15,535 6,370	15,574 6,258	15,579 6,232
18-59Female, 64Male	151,774	151,156	150,498	149,989	149,300	148,455	147,479	146,453	145,436	144,095	142,833	141,515	140,296	139,123	138,066	137,209	136,485	135,762	135,139
60/65 -74	39,026	39,393	40,023	40,650	41,239	41,901	42,421	42,843	43,405	44,138	43,954	44,235	44,860	45,609	46,283	46,851	47,417	47,858	48,211
75-84 85+	21,169 7,894	21,469 8,099	21,586 8,375	21,645 8,733	21,640 9,142	21,728 9,498	22,027 9,818	22,394 10,214	22,586 10,573	22,929 10,930	24,094 11,345	24,794 11,800	25,370 12,102	25,870 12,396	26,362 12,671	26,725 12,979	26,972 13,412	27,262 13,929	27,625 14,298
Total	273,697	273,528	273,624	273,796	274,012	274,266	274,579	274,929	275,314	275,715	276,116	276,506	276,885	277,234	277,555	277,862	278,155	278,419	278,658
Dependency ratios, mean age and s 0-15 / 16-65	sex ratio 0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31
65+ / 16-65	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.45	0.47	0.48	0.31	0.50	0.52	0.53
0-15 and 65+ / 16-65	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.74	0.75	0.76	0.77	0.79	0.80	0.81	0.83	0.84
Median age males	42.3	42.5	42.8	43.0	43.2	43.4	43.5	43.5	43.5	43.5	43.4	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1
Median age females Sex ratio males /100 females	45.3 92.0	45.6 92.2	45.9 92.3	46.2 92.4	46.5 92.6	46.8 92.7	47.0 92.8	47.2 92.9	47.5 93.1	47.7 93.2	47.8 93.3	48.0 93.4	48.0 93.5	48.0 93.6	48.0 93.7	48.0 93.8	48.0 93.9	48.1 94.0	48.2 94.0
Population impact of constraint																			
Number of persons		-2	-1	+1	+1	+2	+2	+2	+3	+3	+3	+3	+4	+4	+3	+3	+2	+2	+2
Households Number of Households	110 570	110 007	110 010	100.051	100.015	121.577	100.010	100.010	100 50:	104.040	104.010	105 100	105.001	100 500	127,159	107 770	100 007	100.00	100.0
Number of Households Change in Households over previous year	118,576	119,007 +432	119,612 +605	120,251 +639	120,915 +664	121,577 +662	122,246 +669	122,913 +667	123,591 +678	124,248 +657	124,848 +600	125,422 +574	125,994 +572	126,560 +566	127,159 +599	127,770 +611	128,307 +537	128,824 +517	129,342 +518
Number of supply units	124,358	124,811	125,446	126,116	126,812	127,506	128,207	128,907	129,618	130,307	130,937	131,539	132,138	132,732	133,360	134,001	134,564	135,106	135,650
Change in over previous year		+453	+634	+670	+696	+694	+702	+700	+711	+689	+630	+602	+599	+594	+628	+640	+563	+542	+544
Labour Force																			
Number of Labour Force	131,601	137,219	137,056	136,860	136,643	136,306	135,888	135,665	135,410	134,628	133,796	132,947	132,097	131,327	130,605	130,148	129,736	129,144	128,679
Change in Labour Force over previous year Number of supply units	r 97,321	+5,618 97,447	-163 100.436	-196 100.357	-217 100.272	-337 100.089	-418 99.846	-222 99.756	-255 99.632	-782 99.246	-832 98.821	-849 98,391	-850 97.948	-770 97.562	-722 97.209	-457 97.052	-412 96.937	-592 96.676	-465 96,509
Change in over previous year	97,321	97,447 +126	100,436 +2,989	100,357 -79	100,272 -85	100,089 -184	99,846 -243	99,756	99,632 -124	99,246 -386	98,821 -425	98,391 -430	97,948 -444	97,562	97,209 -352	97,052 -157	96,937 -114	96,676 -261	96,509
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Components of	Population Change	

Scenario E: Job Stabilisation - Unemployment Rates Sensitivity

Components of Population					-	cenanc	E. JOD	Stabilis	ation -	onempic	yment	nates S	ensitivit	у					
	Year beginni 2012-13 2		014-15 2	015-16 2	016-17 2	017-18 2	018-19 2	019-20 2	020-21 2	021-22 2	022-23 2	023-24 2	024-25 2	025-26 2	026-27 2	027-28 2	028-29 2	029-30	
Births																			
Male	1,410	1,422	1,347	1,343	1,341	1,349	1,354	1,353	1,351	1,356	1,362	1,366	1,370	1,373	1,375	1,373	1,369	1,368	
Female All Births	1,343 2,754	1,355 2,777	1,283 2,631	1,279 2,622	1,277 2,618	1,285 2,634	1,289 2.643	1,288 2,641	1,287 2,638	1,291 2,647	1,297 2,658	1,301 2,667	1,305 2,676	1,308 2,681	1,310 2,685	1,307 2,680	1,304 2,672	1,303 2,671	
TFR	1.84	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	
Births input																			
Deaths																			
Male	1,521	1,455	1,432	1,425	1,421	1,423	1,426	1,426	1,431	1,440	1,448	1,457	1,468	1,482	1,494	1,506	1,518	1,535	
Female	1,693	1,551	1,512	1,516	1,517	1,522	1,517	1,519	1,523	1,525	1,527	1,533	1,536	1,540	1,548	1,559	1,565	1,573	
All deaths SMR: males	3,214	3,006	2,944	2,941	2,938	2,945	2,943	2,944	2,954	2,965	2,975	2,989	3,004	3,022	3,043	3,065	3,084	3,108	
SMR: maies SMR: females	116.0 111.3	108.9 101.0	105.9 97.8	102.8 96.1	100.0 94.2	97.5 92.5	95.1 90.2	92.7 88.3	90.6 86.6	88.7 84.8	86.8 83.0	85.0 81.5	83.4 79.9	82.0 78.4	80.6 77.2	79.2 76.0	77.9 74.7	76.8 73.6	
SMR: persons	113.4	104.7	101.6	99.2	96.9	94.8	92.5	90.4	88.5	86.6	84.8	83.2	81.6	80.1	78.8	77.5	76.2	75.1	
Expectation of life: males	77.8	78.6	78.9	79.3	79.6	79.9	80.2	80.6	80.8	81.1	81.4	81.6	81.9	82.1	82.3	82.5	82.7	82.9	
Expectation of life: females	82.3 80.2	83.4	83.7	83.9 81.8	84.2 82.1	84.4	84.6 82.6	84.9 82.9	85.1 83.1	85.3 83.4	85.6 83.6	85.8 83.9	86.0 84.1	86.2 84.3	86.4	86.6 84.7	86.8 84.9	86.9	
Expectation of life: persons Deaths input	00.2	81.2	81.5	01.0	02.1	82.3	02.0	02.9	03.1	03.4	63.6	63.9	04.1	04.3	84.5	04.7	04.9	85.1	
In-migration from the UK																			
Male Female	3,867 3,961	2,264 2.318	4,009 4,101	4,015 4,101	4,082 4,161	4,126 4,197	4,044 4,107	4,068 4,122	4,212 4,260	4,231 4,269	4,229 4,259	4,236 4,260	4,211 4.232	4,204 4,223	4,108 4,127	4,100 4,121	4,191 4,213	4,163 4,185	
All	7,828	4,583	8,111	8,116	8,243	8,324	8,151	8,190	8,472	8,500	8,488	8,496	8,443	8,428	8,235	8,221	8,404	8,348	
SMigR: males	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Migrants input																			
Out-migration to the UK																			
Male	3,920	5,515	3,793	3,804	3,729	3,679	3,754	3,718	3,563	3,527	3,514	3,500	3,543	3,554	3,655	3,670	3,602	3,644	
Female All	4,077 7,998	5,733 11.248	3,928	3,932 7,736	3,846 7,575	3,787 7,467	3,849 7,603	3,806 7,524	3,632 7 195	3,597 7,125	3,584 7,099	3,556 7,056	3,574 7,116	3,600 7,154	3,705 7,359	3,722 7,392	3,649 7,251	3,699 7,343	
SMigR: males	7,998	11,248 42.3	7,722 30.3	30.3	7,575 29.7	29.3	29.9	7,524 29.7	7,195 28.5	28.2	7,099 28.0	27.9	7,116 28.1	7,154 28.1	7,359 28.8	7,392 28.8	7,251 28.2	7,343 28.4	
SMigR: females	30.1	42.4	30.5	30.5	29.9	29.5	30.0	29.8	28.5	28.2	28.0	27.8	27.8	27.9	28.6	28.7	28.0	28.3	
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
In-migration from Overseas																			
Male	387	388	387	406	393	396	386	386	386	386	386	386	386	386	386	386	386	386	
Female	340	341	340	354	345	347	340	340	340	340	340	340	340	340	340	340	340	340	
All SMigR: males	727 0.0	729 0.0	727 0.0	760 0.0	738 0.0	743 0.0	726 0.0												
SMigR: maies SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Migrants input	•		•	•	•														
Out-migration to Overseas Male	309	309	210	309	310	210	310	210	310	310	310	310	310	310	310	310	310	310	
Female	240	240	310 240	240	240	310 240	240	310 240	240	240	240	240	240	240	240	240	240	240	
All	549	549	550	549	550	550	550	550	550	550	550	550	550	550	550	550	550	550	
SMigR: males	43.2	43.2	45.2	45.1	45.1	45.1	45.0	45.1	45.2	45.1	45.1	45.1	45.0	44.9	44.8	44.8	44.8	44.7	
SMigR: females Migrants input	41.7	41.9	44.2	44.2	44.4	44.4	44.4	44.6	44.8	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.7	
wigi ai to iriput																			
Migration - Net Flows																			
UK	-170	-6,665	+389	+380	+668	+857	+548	+666	+1,277	+1,375	+1,389	+1,440	+1,327	+1,273	+876	+829	+1,153	+1,005	
Overseas	+178	+179	+177	+211	+188	+193	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	
Summary of population change																			
Natural change	-460	-229	-314	-319	-320	-311	-300	-303	-316	-319	-317	-322	-329	-341	-357	-385	-411	-437	
Net migration Net change	+8 -452	-6,486 -6,715	+566 +252	+591	+856 +536	+1,050 +739	+724 +424	+842 +540	+1,454	+1,551	+1,565	+1,617 +1,294	+1,503 +1,174	+1,450	+1,052 +695	+1,005 +621	+1,329 +918	+1,181 +744	
Crude Birth Rate /000	10.07	10.29	9.87	9.82	9.79	9.83	9.84	9.82	9.77	9.76	9.76	9.75	9.74	9.72	9.70	9.66	9.60	9.57	
Crude Death Rate /000	11.75	11.14	11.04	11.02	10.99	10.99	10.96	10.94	10.95	10.94	10.93	10.93	10.93	10.95	10.99	11.04	11.08	11.14	
Crude Net Migration Rate /000	0.03	-24.03	2.12	2.21	3.20	3.92	2.70	3.13	5.39	5.72	5.75	5.91	5.47	5.25	3.80	3.62	4.78	4.23	
Summary of Population e	stimate	s/foreca	sts																
	Population a																		
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-4	14,651	14,622	14,108	13,949	13,812	13,792	13,850	13,804	13,811	13,864	13,927	13,981	14,030	14,064	14,095	14,089	14,069	14,070	14,056
5-10 11-15	16,812 15,583	17,010 14,886	16,898 14,246	17,243 13,980	17,604 13,808	17,719 13,849	17,704 14,078	17,743 14,338	17,747 14,560	17,659 14,953	17,587 15,188	17,613 15,255	17,707 15,256	17,726 15,334	17,779 15,256	17,810 15,168	17,836 15,151	17,865 15,212	17,874 15,205
16-17	6,788	6,620	6,192	5,825	5,614	5,454	5,328	5,211	5,218	5,241	5,381	5,622	5,732	5,750	5,859	5,963	5,889	5,772	5,786
18-59Female, 64Male	151,774	151,190	145,763	145,419	144,864	144,306	143,722	142,822	141,990	141,247	140,645	140,000	139,452	138,861	138,343	137,726	137,155	136,792	136,402
60/65 -74	39,026	39,401	39,729	40,361	40,951	41,619	42,169	42,609	43,212	44,005	43,893	44,233	44,923	45,729	46,468	47,077	47,675	48,145	48,516
75-84 85+	21,169 7,894	21,446 8,071	21,372 8,223	21,416 8,589	21,392 9,009	21,474 9,379	21,767 9,711	22,128 10,098	22,320 10,435	22,681 10,780	23,866 11,176	24,591 11,617	25,190 11,916	25,705 12,211	26,201 12,487	26,557 12,795	26,807 13,221	27,124 13,743	27,514 14,115
Total	273,697	273,245	266,530	266,783	267,054	267,591	268,330	268,753	269,293	270,430	271,663	272,912	274,206	275,380	276,489	277,183	277,804	278,722	279,466
Donondonov rotice	00V #04!-																		
Dependency ratios, mean age and a 0-15 / 16-65	sex ratio 0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31
65+ / 16-65	0.35	0.36	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.52	0.53
0-15 and 65+ / 16-65	0.63	0.64	0.66	0.67	0.67	0.68	0.69	0.70	0.71	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.84
Median age males Median age females	42.3 45.3	42.5 45.7	43.3 46.5	43.5 46.8	43.7 47.1	43.9 47.3	43.9 47.5	44.0 47.8	44.0 48.0	43.8 48.1	43.7 48.3	43.6 48.3	43.5 48.3	43.6 48.3	43.6 48.1	43.6 48.1	43.6 48.1	43.7 48.1	43.8 48.1
Sex ratio males /100 females	45.3 92.0	45.7 92.2	46.5 92.2	46.8 92.3	47.1 92.4	47.3 92.6	47.5 92.7	47.8 92.9	48.0 93.0	48.1 93.1	48.3 93.3	48.3 93.4	48.3 93.5	48.3 93.6	48.1 93.7	48.1 93.8	48.1 93.9	48.1 94.0	48.1 94.1
		-	-				-												
Population impact of constraint																			
Number of persons		-285	-6.813	+198	+172	+401	+539	+178	+256	+827	+903	+904	+935	+815	+749	+323	+243	+555	+388
			,														-		
Labour Force																			
Number of Labour Force Change in Labour Force over previous yea	131,601 r	137,042 +5.441	132,805 -4.237	132,720 -85	132,621	132,537 -85	132,452 -85	132,354	132,269	132,017 -252	131,766 -251	131,501 -264	131,252 -249	131,003 -248	130,756 -248	130,509 -247	130,250 -259	130,005 -245	129,762 -244
Number of supply units	97,321	+5,441 97,321	97,321	-85 97,321	-99 97,321	-85 97,321	97,321	97,321	97,321	97,321	97,321	97,321	-249 97,321	-248 97,321	-248 97,321	97,321	97,321	-245 97,321	97,321
Change in over previous year		0	-0	0	+0	+0	0	+0	+0	+0	-0	+0	+0	0	-0	-0	-0	-0	+0
Households																			
Number of Households	118,576	118,877	117,141	117,737	118,335	119,021	119,752	120,401	121,070	121,926	122,776	123,632	124,535	125,394	126,282	127,034	127,685	128,446	129,135
Change in Households over previous year		+301	-1,736	+596	+598	+686	+732	+648	+669	+856	+850	+856	+902	+860	+887	+752	+651	+761	+689
Number of supply units	124,358	124,674	122,854	123,478 +625	124,106 +628	124,825 +719	125,592 +767	126,272 +680	126,974 +702	127,872 +898	128,764 +892	129,662 +898	130,608 +946	131,510 +902	132,440 +931	133,229 +789	133,912 +682	134,710 +798	135,433 +723
Change in over previous year		+316	-1,821	+025	+028	+/19	+/6/	+080	+/02	+698	+692	+098	+946	+902	+931	+/89	+082	+/98	+/23

Sefton

Components of Population Change	Scenario H: Blended Job Growth - Unemployment Rates Sensitivity

Components of Population					٤	scenario	H: Blei	nded Jo	b Growt	h - Une	mploym	ent Rate	es Sensi	tivity					
	Year beginni 2012-13 2			015-16 2	016-17 2	017-18 2	018-19 2	019-20 2	020-21 2	021-22	2022-23 2	023-24 2	024-25 2	025-26 2	026-27 2	027-28 2	2028-29 2	029-30	
Births		4 450		4.500	4.500	4.540			4.550	4.500	4.570	4.500	4 507	4.505	4.504	4.500			
fale emale	1,410	1,458 1,389	1,498 1,427	1,523 1,451	1,532 1,459	1,546 1,473	1,554 1,480	1,555 1,481	1,556 1,482	1,566 1,492	1,576 1,501	1,583 1,507	1,587 1,511	1,585 1,510	1,581 1,505	1,569 1,495	1,557 1,483	1,548 1,474	
Il Births	2,754	2,847	2,925	2,974	2,991	3,019	3,034	3,035	3,038	3,058	3,077	3,090	3,098	3,095	3,086	3,064	3,039	3,021	
FR	1.84	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	
irths input																			
eaths																			
ale emale	1,521	1,462 1,560	1,463 1,548	1,460 1,557	1,457 1,558	1,459 1,563	1,462 1.557	1,462 1,558	1,468 1,562	1,479 1,566	1,489 1,569	1,500 1,576	1,513 1,580	1,529 1,585	1,542 1,593	1,555 1,604	1,569	1,587 1,619	
Il deaths	3,214	3,022	3,011	3,017	3,015	3,022	3,020	3,020	3,031	3,045	3,058	3,076	3,093	3,113	3,135	3,159	1,611 3,179	3,206	
MR: males	116.0	108.9	105.9	102.8	100.0	97.5	95.1	92.7	90.6	88.7	86.8	85.0	83.4	82.0	80.6	79.2	77.9	76.8	
MR: females	111.3	101.0	97.8	96.1	94.2	92.5	90.2	88.3	86.6	84.8	83.0	81.5	79.9	78.4	77.2	76.0	74.7	73.6	
MR: persons pectation of life: males	113.4 77.8	104.7 78.6	101.6 78.9	99.2 79.3	96.9 79.6	94.8 79.9	92.5 80.2	90.4 80.6	88.5 80.8	86.6 81.1	84.8 81.4	83.2 81.6	81.6 81.9	80.1 82.1	78.8 82.3	77.5 82.5	76.2 82.7	75.1 82.9	
epectation of life: females	82.3	83.4	83.7	83.9	84.2	84.4	84.6	84.9	85.1	85.3	85.6	85.8	86.0	86.2	86.4	86.6	86.8	86.9	
expectation of life: persons	80.2	81.2	81.5	81.8	82.1	82.3	82.6	82.9	83.1	83.4	83.6	83.9	84.1	84.3	84.5	84.7	84.9	85.0	
eaths input																			
-migration from the UK																			
ale	4,620	4,637	4,531	4,144	4,124	4,147	4,068	4,164	4,400	4,409	4,408	4,386	4,315	4,266	4,157	4,148	4,244	4,192	
male	4,733 9,352	4,748 9,385	4,635 9,166	4,232 8,376	4,204 8,328	4,218 8,365	4,130 8,198	4,219 8,383	4,450 8,850	4,449 8,858	4,439 8,848	4,410 8,796	4,337 8,653	4,285 8,551	4,176 8,332	4,169 8,316	4,266 8,509	4,214 8,406	
MigR: males	0.1	0.1	0.1	0,370	0,320	0,303	0,150	0.1	0,030	0,030	0.1	0.1	0,033	0,331	0,332	0.1	0.1	0.1	
/ligR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
grants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ut-migration to the UK																			
ale	3,173	3,160	3,275	3,676	3,687	3,659	3,730	3,623	3,376	3,350	3,336	3,352	3,438	3,492	3,606	3,623	3,550	3,615	
male	3,300	3,285	3,391	3,800	3,803	3,766	3,825	3,708	3,441	3,416	3,403	3,405	3,469	3,538	3,656	3,675	3,596	3,670	
MigR: males	6,473 24.4	6,445 23.8	6,666 24.3	7,476 26.9	7,489 26.9	7,425 26.7	7,555 27.3	7,331 26.6	6,817 24.8	6,766 24.5	6,739 24.3	6,756 24.3	6,907 24.8	7,030 25.1	7,262 25.8	7,298 25.9	7,146 25.3	7,285 25.6	
figR: females	24.4	23.8	24.2	26.8	26.9	26.7	27.2	26.5	24.7	24.4	24.2	24.1	24.5	24.9	25.6	25.7	25.1	25.5	
grants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
migration from Overseas																			
ale	387	388	387	406	393	396	386	386	386	386	386	386	386	386	386	386	386	386	
male	340	341	340	354	345	347	340	340	340	340	340	340	340	340	340	340	340	340	
/ //igR: males	727 0.0	729 0.0	727 0.0	760 0.0	738 0.0	743 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	726 0.0	
vigR: maies vigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
grants input	• 1	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•	
ut-migration to Overseas																			
ale	309	309	310	309	310	310	310	310	310	310	310	310	310	310	310	310	310	310	
male	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	
E-D	549	549	550	549	550	550	550	550	550	550	550	550	550	550	550	550	550	550	
MigR: males MigR: females	43.2 41.7	42.4 40.9	41.6 40.1	41.0 39.5	40.9 39.4	40.8 39.5	40.8 39.6	40.9 39.8	41.0 40.0	40.9 40.0	40.8 39.9	40.7 39.9	40.6 39.9	40.6 39.9	40.5 40.0	40.6 40.1	40.6 40.2	40.5 40.1	
igrants input					•			•				•		•					
igration Not Flores																			
igration - Net Flows	+2,879	+2,940	+2,500	+900	+839	+941	+643	+1,052	+2,034	+2,092	+2,109	+2,040	+1,746	+1,521	+1,071	+1,018	+1,364	+1,121	
verseas	+178	+179	+177	+211	+188	+193	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	+176	
ummary of population change																			
atural change	-460	-175	-85	-43	-25	-3	+14	+15	+7	+13	+19	+15	+4	-18	-49	-95	-140	-185	
et migration	+3,057	+3,119	+2,677	+1,111	+1,027	+1,134	+819	+1,228	+2,210	+2,268	+2,285	+2,216	+1,922	+1,697	+1,247	+1,195	+1,540	+1,297	
et change ude Birth Rate /000	+2,597	+2,944 10.25	+2,591	+1,068	+1,002 10.55	+1,130	+833	+1,244	+2,217	+2,281	+2,304 10.51	+2,231	+1,926	+1,679	+1,197	+1,100	+1,400	+1,112	
ude Birth Rate /000 ude Death Rate /000	11.69	10.25	10.43	10.53	10.55	10.61	10.63	10.54	10.54	10.53	10.51	10.47	10.43	10.36	10.27	10.16	10.04	10.55	
ude Net Migration Rate /000	11.12	11.23	9.54	3.93	3.62	3.98	2.87	4.29	7.67	7.81	7.80	7.51	6.47	5.68	4.15	3.96	5.09	4.27	
ummary of Population	etimet-	e/force-	ete																
ummary of Population 6	estimate: Population a		ເອເອັ																
,	горијацогі а 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	20:
1	14,651	14,865	15,145	15,260	15,277	15,369	15,542	15,642	15,740	15,887	16,025	16,141	16,227	16,271	16,284	16,239	16,166	16,102	16,0
10	16,812	17,170	17,593	18,146	18,657	18,920	19,041	19,180	19,365	19,464	19,567	19,759	20,020	20,220	20,371	20,468	20,538	20,589	20,5
-15 -17	15,583	14,994	14,685	14,488	14,350	14,429	14,703	15,013	15,307	15,825	16,198	16,422	16,568	16,751	16,802	16,842	16,945	17,139	17,2 6,4
-17 59Female, 64Male	6,788 151,774	6,686 153,392	6,455 154,901	6,088 156,142	5,852 156,005	5,670 155,597	5,540 155,077	5,426 154,243	5,449 153,680	5,501 153,462	5,673 153,359	5,949 153,214	6,089 153,090	6,139 152,807	6,310 152,486	6,487 152,043	6,471 151,677	6,389 151,556	151,3
/65 -74	39,026	39,539	40,316	41,075	41,725	42,440	43,034	43,518	44,179	45,054	45,009	45,429	46,202	47,084	47,892	48,568	49,236	49,777	50,2
-84	21,169	21,521	21,684	21,769	21,743	21,818	22,109	22,474	22,681	23,071	24,302	25,069	25,707	26,257	26,786	27,172	27,452	27,802	28,2
i+ otal	7,894 273,697	8,127 276,294	8,460 279,238	8,863 281.830	9,290	9,658 283,900	9,985	10,367 285.863	10,705 287,107	11,061 289,324	11,471 291,604	11,926	12,236 296,139	12,536 298.065	12,813 299,745	13,123	13,555	14,086	304,5
		210,294	L10,230	201,000	202,080	200,800	200,000	200,000	201,101	200,324	201,004	200,800	200,138	230,000	Laa,/40	500,842	JUE,U92	505,44 I	504,5
ependency ratios, mean age and																			
15 / 16-65 + / 16-65	0.28	0.28	0.28	0.28	0.28 0.37	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.
+ / 16-65 15 and 65+ / 16-65	0.35	0.64	0.64	0.65	0.65	0.66	0.38	0.39	0.40	0.41	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.
edian age males	42.3	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.4	42.2	42.1	42.0	42.0	42.0	42.1	42.1	42.3	42.4	42
edian age females	45.3 92.0	45.4 92.2	45.5 92.4	45.6 92.6	45.8 92.7	46.0 92.9	46.2 93.0	46.3 93.2	46.5 93.3	46.5 93.5	46.4 93.6	46.3 93.8	46.0 93.9	45.9 94.0	45.9 94.1	45.9 94.3	45.9 94.4	45.9 94.5	46 94
ex ratio males /100 females	92.0	92.2	92.4	92.6	92.7	92.9	93.0	93.2	93.3	93.5	93.6	93.8	93.9	94.0	94.1	94.3	94.4	94.5	94
undata lucata de la constante																			
opulation impact of constraint imber of persons		+2,764	+2,792	+2,308	+693	+571	+622	+273	+641	+1,583	+1,619	+1,623	+1,535	+1,234	+997	+517	+433	+765	+5
		,. 04	,. 02	_,500	. 500				.541	,000	,010	,520	, 500	,	. 501		. 100	.700	+3
bour Force																			
imber of Labour Force lange in Labour Force over previous yea	131,601 ir	138,923 +7,322	140,656 +1.733	142,052 +1.395	142,393 +341	142,486 +93	142,499 +13	142,504 +5	142,695 +191	142,923 +228	143,125 +202	143,315 +189	143,451 +137	143,498	143,458	143,403	143,336 -67	143,286 -50	143,2
lange in Labour Force over previous yea imber of supply units	97,321	+7,322 98,657	+1,733	104,164	104,492	104,627	104,703	104,785	104,993	105,361	105,712	106,064	106,367	106,604	106,775	106,936	107,099	107,263	107,4
ange in over previous year		+1,336	+4,418	+1,089	+328	+135	+76	+82	+208	+369	+350	+353	+303	+237	+172	+161	+163	+164	+1
useholds																			
imber of Households	118,576	119,926	121,552	123,053	124,013	124,934	125,871	126,739	127,732	129,025	130,290	131,565	132,850	134,028	135,157	136,122	136,974	137,943	138,8
hange in Households over previous year	124.358	+1,350	+1,626 127,479	+1,501 129.054	+961 130.061	+921 131.027	+936	+868	+993 133.961	+1,293	+1,265 136,644	+1,274	+1,285	+1,178	+1,129	+965 142.760	+852 143.653	+969 144.670	+8/ 145.5
umber of supply units hange in over previous year	124,358	125,775 +1,416	+1,705	129,054 +1,575	+1,007	131,027 +966	132,009 +982	132,919 +910	+1,041	135,317 +1,356	136,644 +1,327	+1,336	+1,348	140,564 +1,235	+1,184	142,760 +1,012	143,653 +893	+1,017	145,57
J 212. p.2300 you		,410	,,,,,	,070	,007	1000	1002	10.0	,041	. 1,000	. 1,021	,000	,040	,200	,	. 1,012	***************************************	. 1,017	70