5. Area Profiles

Guidelines

5.1 For each of the EPOA local authorities, the new demographic evidence is summarised: first with an illustration of the 'components of change' which have shaped historical population growth over the last 5 and 10 years, compared with those that have been estimated as the drivers of change in the ONS 2012-based SNPP; and secondly with a table of dwelling growth outcomes from the suite of scenarios that has been evaluated.

5.2 A more detailed summary of the results of each scenario forecast is provided in the form of a chart and accompanying tables of statistics. The chart illustrates the trajectory of population change resulting from each scenario. The tables summarise the change in population and household numbers from 2012-2037 that result from each scenario.

5.3 The scenarios are ranked according to the estimated level of population change over the forecast period. Each table illustrates the average annual net migration associated with the population change, plus the expected average annual dwelling and jobs growth based on the assumptions used in each scenario.

5.4 Scenario results are presented in two separate tables, each relating to the application of different household headship rates. The 'Option A' results use the CLG 2011-based headship rates and the 'Option B' results use the 2008-based headship rates.

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Components of population change

5.144 Average annual population growth estimated by the 'SNPP-2012' is 0.96% per year over the 25-year period 2012-37. Natural change has been a dominant component of population change since 2002/03 and this trend continues in the 'SNPP-2012' projection. Historically, the average annual net effect of internal migration upon population growth has been positive and the 'SNPP-2012' suggests a +642 average annual net impact. The positive impact of international migration upon historical growth continues in the 'SNPP-2012' projection.

Component of Change	Historical		Projected
	5-year average (2007/08–2011/12)	10-year average (2002/03–2011/12)	2012-based SNPP average (2012/13–2036/37)
Natural Change	633	592	526
Net Internal Migration	564	325	642
Net International Migration	161	185	171
Unattributable Population Change*	-147	-157	-
Annual Population Change	1,209	944	1,339
Annual Population Change (%)	0.90%	0.73%	0.96%

* UPC is only applicable to the years 2001/02 - 2010/11
Annual Population Change is calculated as a % change from the start year of the time period

Scenario growth summary

5.145 The 'SNPP-2012' scenario records a total population growth of 24.0% over the 2012-37 forecast period, slightly higher than the previous 'SNPP-2010' (23.2% estimated growth to 2037).

5.146 Alternative trend projections have been developed from the POPGROUP model. Using the historical evidence on growth to set migration assumptions and with the UPC component assigned to international migration, the 'PG-5Yr' and 'PG-10Yr' scenarios record growth below the new 'SNPP-2012' benchmark, 17.2% and 15.3% respectively.

5.147 If the UPC component of historical population change is _ignored_ when calculating future migration assumptions, the forecast of population growth for these 'X' scenarios is higher. The 'PG-5Yr–X' scenario records a growth of 18.6%, whereas the 'PG-10Yr–X' scenario records a population increase of 16.7%.

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The EEFM 'Jobs' and 'Employed people' scenarios result in population growth that exceeds other scenarios, at 29.8-33.0%.

The 'Natural Change' scenario, with no migration impact and with only births and deaths driving growth, results in 6.5% population growth to 2037. The 'Net Nil' scenario which maintains a migration inflow and outflow but applies a zero migration balance, results in higher growth at 7.2%.
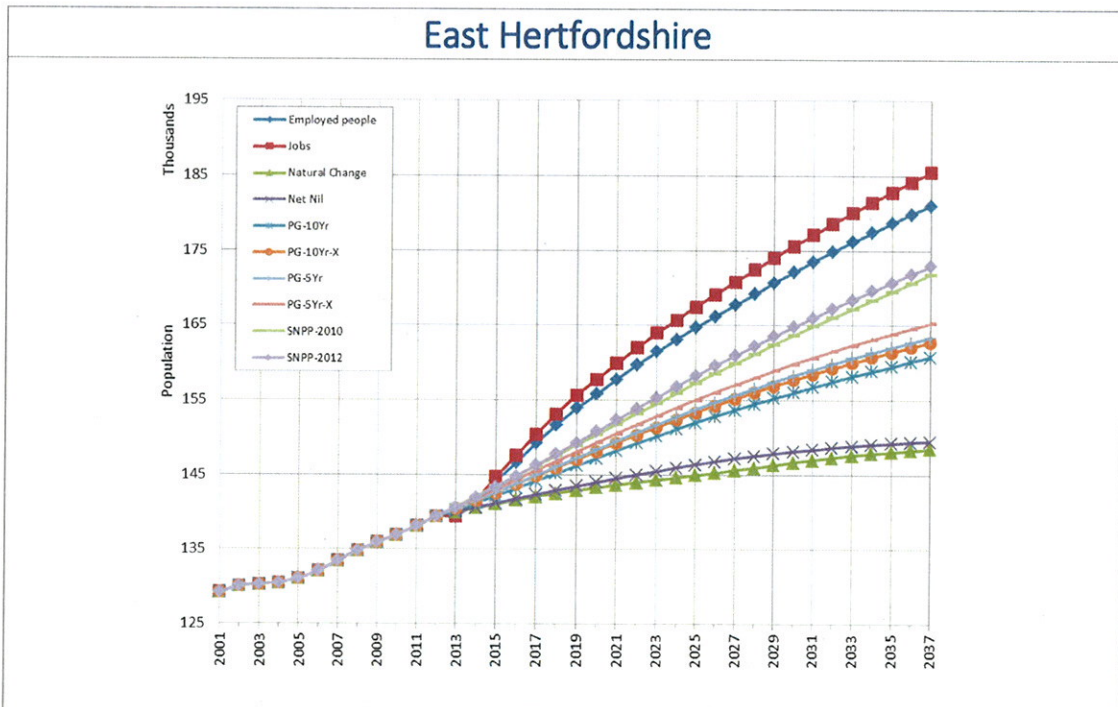
Dwelling growth implications

The application of the 2008-based household formation rates (Option B) results in a dwelling requirement that is approximately 11.0% higher than that associated with the application of the 2011-based household formation rates (Option A) (this calculation excludes the 'Natural Change' and 'Net Nil' scenarios).

Considering the average of the A and B alternatives, suggests a dwelling requirement of 526-964 resulting from the 'PG' and EEFM scenarios, with the 'SNPP-2012' recording a growth average of 754 dwellings per year.

Scenario	Average annual dwelling requirement, 2012-37		
	Option A (2011-based)	Option B (2008-based)	Average
Jobs	925	1,004	964
Employed people	853	930	891
SNPP-2010	718	793	755
SNPP-2012	718	791	754
PG-5Yr-X	578	649	614
PG-5Yr	549	619	584
PG-10Yr-X	520	593	557
PG-10Yr	490	561	526
Net Nil	329	389	359
Natural Change	317	381	349

Note: This project does not produce a recommended or preferred demographic forecast for any local authority area. Rather it presents a range of scenarios to inform further assessment and consideration by the individual local authorities. Local circumstances may dictate that certain scenarios are more appropriate than others but, for completeness, all scenarios are presented here.

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Legend: Employed people, Jobs, Natural Change, Net Nil, PG-10Yr, PG-10Yr-X, PG-5Yr, PG-5Yr-X, SNPP-2010, SNPP-2012

Option A: 2011-based CLG household model

Scenario	Change 2012 - 2037				Average per year		
	Population Change	Population Change %	Households Change	Households Change %	Net Migration	Dwellings	Jobs
Jobs A	46,036	33.0%	22,417	39.0%	1,230	925	540
Employed people A	41,626	29.8%	20,670	35.9%	1,081	853	465
SNPP-2012 A	33,486	24.0%	17,404	30.3%	813	718	329
SNPP-2010 A	32,404	23.2%	17,399	30.3%	845	718	354
PG-5Yr-X A	25,879	18.6%	14,013	24.4%	541	578	192
PG-5Yr A	23,963	17.2%	13,314	23.2%	477	549	159
PG-10Yr-X A	23,333	16.7%	12,618	21.9%	407	520	161
PG-10Yr A	21,323	15.3%	11,884	20.7%	341	490	126
Net Nil A	10,053	7.2%	7,986	13.9%	0	329	-72
Natural Change A	9,019	6.5%	7,682	13.4%	0	317	-170

Option B: 2008-based CLG household model

Scenario	Change 2012 - 2037				Average per year		
	Population Change	Population Change %	Households Change	Households Change %	Net Migration	Dwellings	Jobs
Jobs B	46,036	33.0%	24,343	42.3%	1,230	1,004	540
Employed people B	41,626	29.8%	22,534	39.2%	1,081	930	465
SNPP-2012 B	33,486	24.0%	19,163	33.3%	813	791	329
SNPP-2010 B	32,404	23.2%	19,228	33.4%	845	793	354
PG-5Yr-X B	25,879	18.6%	15,733	27.4%	541	649	192
PG-5Yr B	23,963	17.2%	15,002	26.1%	477	619	159
PG-10Yr-X B	23,333	16.7%	14,374	25.0%	407	593	161
PG-10Yr B	21,323	15.3%	13,606	23.7%	341	561	126
Net Nil B	10,053	7.2%	9,420	16.4%	0	389	-72
Natural Change B	9,019	6.5%	9,229	16.0%	0	381	-170

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