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Te Whare Wānanga o Waikato

**2016 Update of Population, Family and Household,
and Labour Force Projections
for the Waikato Region, 2013-2063**

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Table of Contents

Disclaimer	i
Acknowledgements	i
Table of Contents	ii
List of Figures	ii
List of Tables	iv
Executive Summary	vii
1. Introduction	1
2. Data and Methods	2
2.1 Data	2
2.2 The Cohort-component model	3
2.3 Base populations	4
2.4 Fertility and Mortality Assumptions	5
2.5 Migration Assumptions	5
2.6 Low-variant and High-variant Projection Assumptions	6
2.7 Family and Household Projection Assumptions	7
2.8 Labour Force Projection Assumptions	10
3. Population, Family and Household, and Labour Force Projections	11
3.1 Population, Family and Household, and Labour Force Projections for Thames-Coromandel District	11
3.2 Population, Family and Household, and Labour Force Projections for Hauraki District	17
3.3 Population, Family and Household, and Labour Force Projections for Waikato District	23
3.4 Population, Family and Household, and Labour Force Projections for Matamata-Piako District	28
3.5 Population, Family and Household, and Labour Force Projections for Hamilton City	34
3.6 Population, Family and Household, and Labour Force Projections for Waipa District	39
3.7 Population, Family and Household, and Labour Force Projections for Otorohanga District	44
3.8 Population, Family and Household, and Labour Force Projections for South Waikato District	50
3.9 Population, Family and Household, and Labour Force Projections for Waitomo District	56
3.10 Population, Family and Household, and Labour Force Projections for Taupo District	61
3.11 Population, Family and Household, and Labour Force Projections for part-Rotorua District	66
3.12 Combined Population, Family and Household, and Labour Force Projections for the Waikato Region	72
4. Discussion and Conclusion	74
References	76
Appendix I	78
Appendix II	90
Appendix III	126

List of Figures

Figure 1	Population projections for Thames-Coromandel District, 2013-2063	13
Figure 2	Projected components of population change for Thames-Coromandel District, medium-variant projection, 2014-2063	13
Figure 3	Age-sex structure for Thames-Coromandel District, 2013 and 2043 (medium-variant projection)	14
Figure 4	Medium-variant family and household projections for Thames-Coromandel District, 2013-2063	15
Figure 5	Low-variant family and household projections for Thames-Coromandel District,	

	2013-2063	15
Figure 6	High-variant family and household projections for Thames-Coromandel District, 2013-2063	16
Figure 7	Labour force projections for Thames-Coromandel District, 2013-2063	17
Figure 8	Population projections for Hauraki District, 2013-2063	18
Figure 9	Projected components of population change for Hauraki District, medium-variant projection, 2014-2063	19
Figure 10	Age-sex structure for Hauraki District, 2013 and 2043 (medium-variant projection)	20
Figure 11	Medium-variant family and household projections for Hauraki District, 2013-2063	21
Figure 12	Low-variant family and household projections for Hauraki District, 2013-2063	21
Figure 13	High-variant family and household projections for Hauraki District, 2013-2063	22
Figure 14	Labour force projections for Hauraki District, 2013-2063	22
Figure 15	Population projections for Waikato District, 2013-2063	24
Figure 16	Projected components of population change for Waikato District, medium-variant projection, 2014-2063	24
Figure 17	Age-sex structure for Waikato District, 2013 and 2043 (medium-variant projection) ...	25
Figure 18	Medium-variant family and household projections for Waikato District, 2013-2063	26
Figure 19	Low-variant family and household projections for Waikato District, 2013-2063	26
Figure 20	High-variant family and household projections for Waikato District, 2013-2063	27
Figure 21	Labour force projections for Waikato District, 2013-2063	28
Figure 22	Population projections for Matamata-Piako District, 2013-2063	29
Figure 23	Projected components of population change for Matamata-Piako District, medium-variant projection, 2014-2063	30
Figure 24	Age-sex structure for Matamata-Piako District, 2013 and 2043 (medium-variant projection)	31
Figure 25	Medium-variant family and household projections for Matamata-Piako District, 2013-2063	32
Figure 26	Low-variant family and household projections for Matamata-Piako District, 2013-2063	32
Figure 27	High-variant family and household projections for Matamata-Piako District, 2013-2063	33
Figure 28	Labour force projections for Matamata-Piako District, 2013-2063	33
Figure 29	Population projections for Hamilton City, 2013-2063	35
Figure 30	Projected components of population change for Hamilton City, medium-variant projection, 2014-2063	35
Figure 31	Age-sex structure for Hamilton City, 2013 and 2043 (medium-variant projection)	36
Figure 32	Medium-variant family and household projections for Hamilton City, 2013-2063	37
Figure 33	Low-variant family and household projections for Hamilton City, 2013-2063	37
Figure 34	High-variant family and household projections for Hamilton City, 2013-2063	38
Figure 35	Labour force projections for Hamilton City, 2013-2063	39
Figure 36	Population projections for Waipa District, 2013-2063	40
Figure 37	Projected components of population change for Waipa District, medium-variant projection, 2014-2063	41
Figure 38	Age-sex structure for Waipa District, 2013 and 2043 (medium-variant projection)	41
Figure 39	Medium-variant family and household projections for Waipa District, 2013-2063	42
Figure 40	Low-variant family and household projections for Waipa District, 2013-2063	43
Figure 41	High-variant family and household projections for Waipa District, 2013-2063	43
Figure 42	Labour force projections for Waipa District, 2013-2063	44
Figure 43	Population projections for Otorohanga District, 2013-2063	45
Figure 44	Projected components of population change for Otorohanga District, medium-variant projection, 2014-2063	46
Figure 45	Age-sex structure for Otorohanga District, 2013 and 2043 (medium-variant projection)	47
Figure 46	Medium-variant family and household projections for Otorohanga District, 2013-2063	48

Figure 47	Low-variant family and household projections for Otorohanga District, 2013-2063	48
Figure 48	High-variant family and household projections for Otorohanga District, 2013-2063	49
Figure 49	Labour force projections for Otorohanga District, 2013-2063.....	50
Figure 50	Population projections for South Waikato District, 2013-2063	51
Figure 51	Projected components of population change for South Waikato District, medium-variant projection, 2014-2063	52
Figure 52	Age-sex structure for South Waikato District, 2013 and 2043 (medium-variant projection)	53
Figure 53	Medium-variant family and household projections for South Waikato District, 2013- 2063	54
Figure 54	Low-variant family and household projections for South Waikato District, 2013-2063	54
Figure 55	High-variant family and household projections for South Waikato District, 2013-2063	55
Figure 56	Labour force projections for South Waikato District, 2013-2063.....	55
Figure 57	Population projections for Waitomo District, 2013-2063	57
Figure 58	Projected components of population change for Waitomo District, medium-variant projection, 2014-2063	57
Figure 59	Age-sex structure for Waitomo District, 2013 and 2043 (medium-variant projection) ..	58
Figure 60	Medium-variant family and household projections for Waitomo District, 2013-2063 ...	59
Figure 61	Low-variant family and household projections for Waitomo District, 2013-2063	59
Figure 62	High-variant family and household projections for Waitomo District, 2013-2063	60
Figure 63	Labour force projections for Waitomo District, 2013-2063.....	61
Figure 64	Population projections for Taupo District, 2013-2063.....	62
Figure 65	Projected components of population change for Taupo District, medium-variant projection, 2014-2063	63
Figure 66	Age-sex structure for Taupo District, 2013 and 2043 (medium-variant projection).....	63
Figure 67	Medium-variant family and household projections for Taupo District, 2013-2063.....	64
Figure 68	Low-variant family and household projections for Taupo District, 2013-2063.....	65
Figure 69	High-variant family and household projections for Taupo District, 2013-2063	65
Figure 70	Labour force projections for Taupo District, 2013-2063	66
Figure 71	Population projections for part-Rotorua District, 2013-2063.....	67
Figure 72	Projected components of population change for part-Rotorua District, medium-variant projection, 2014-2063.....	68
Figure 73	Age-sex structure for part-Rotorua District, 2013 and 2043 (medium-variant projection)	69
Figure 74	Medium-variant family and household projections for part-Rotorua District, 2013- 2063	70
Figure 75	Low-variant family and household projections for part-Rotorua District, 2013-2063....	70
Figure 76	High-variant family and household projections for part-Rotorua District, 2013-2063 ...	71
Figure 77	Labour force projections for part-Rotorua District, 2013-2063	71
Figure 78	Combined population projections for the Waikato Region, 2013-2063.....	73
Figure 79	Combined medium-variant family and household projections for the Waikato Region, 2013-2063	73
Figure 80	Combined labour force projections for the Waikato Region, 2013-2063	74

List of Tables

Table 1	Number and proportion of people living in non-private dwellings, 2001-2013.....	9
Table A1	Population projections for Thames-Coromandel District, 2013-2063	78
Table A2	Population projections for Hauraki District, 2013-2063	79
Table A3	Population projections for Waikato District, 2013-2063	80
Table A4	Population projections for Matamata-Piako, 2013-2063	81
Table A5	Population projections for Hamilton City, 2013-2063.....	82

Table A6	Population projections for Waipa District, 2013-2063	83
Table A7	Population projections for Otorohanga District, 2013-2063	84
Table A8	Population projections for South Waikato District, 2013-2063	85
Table A9	Population projections for Waitomo District, 2013-2063	86
Table A10	Population projections for Taupo District, 2013-2063.....	87
Table A11	Population projections for part-Rotorua District, 2013-2063.....	88
Table A12	Combined population projections for part-Rotorua District, 2013-2063	89
Table A13	Medium-variant family and household projections for Thames-Coromandel District, 2013-2063	90
Table A14	Low-variant family and household projections for Thames-Coromandel District, 2013-2063	91
Table A15	High-variant family and household projections for Thames-Coromandel District, 2013-2063	92
Table A16	Medium-variant family and household projections for Hauraki District, 2013-2063.....	93
Table A17	Low-variant family and household projections for Hauraki District, 2013-2063.....	94
Table A18	High-variant family and household projections for Hauraki District, 2013-2063	95
Table A19	Medium-variant family and household projections for Waikato District, 2013-2063	96
Table A20	Low-variant family and household projections for Waikato District, 2013-2063	97
Table A21	High-variant family and household projections for Waikato District, 2013-2063.....	98
Table A22	Medium-variant family and household projections for Matamata-Piako District, 2013-2063	99
Table A23	Low-variant family and household projections for Matamata-Piako District, 2013-2063	100
Table A24	High-variant family and household projections for Matamata-Piako District, 2013-2063	101
Table A25	Medium-variant family and household projections for Hamilton City, 2013-2063.....	102
Table A26	Low-variant family and household projections for Hamilton City, 2013-2063	103
Table A27	High-variant family and household projections for Hamilton City, 2013-2063	104
Table A28	Medium-variant family and household projections for Waipa District, 2013-2063	105
Table A29	Low-variant family and household projections for Waipa District, 2013-2063.....	106
Table A30	High-variant family and household projections for Waipa District, 2013-2063.....	107
Table A31	Medium-variant family and household projections for Otorohanga District, 2013- 2063	108
Table A32	Low-variant family and household projections for Otorohanga District, 2013- 2063	109
Table A33	High-variant family and household projections for Otorohanga District, 2013- 2063	110
Table A34	Medium-variant family and household projections for South Waikato District, 2013- 2063	111
Table A35	Low-variant family and household projections for South Waikato District, 2013- 2063	112
Table A36	High-variant family and household projections for South Waikato District, 2013- 2063	113
Table A37	Medium-variant family and household projections for Waitomo District, 2013-2063 .	114
Table A38	Low-variant family and household projections for Waitomo District, 2013-2063	115
Table A39	High-variant family and household projections for Waitomo District, 2013-2063	116
Table A40	Medium-variant family and household projections for Taupo District, 2013-2063.....	117
Table A41	Low-variant family and household projections for Taupo District, 2013-2063.....	118
Table A42	High-variant family and household projections for Taupo District, 2013-2063	119
Table A43	Medium-variant family and household projections for part-Rotorua District, 2013- 2063	120
Table A44	Low-variant family and household projections for part-Rotorua District, 2013- 2063	121
Table A45	High-variant family and household projections for part-Rotorua District, 2013- 2063	122

Table A46	Combined medium-variant family and household projections for the Waikato Region, 2013-2063	123
Table A47	Combined low-variant family and household projections for the Waikato Region, 2013-2063	124
Table A48	Combined high-variant family and household projections for the Waikato Region, 2013-2063	125
Table A49	Medium-variant labour force projections, 2013-2063	126
Table A50	Low-variant labour force projections, 2013-2063	128
Table A51	High-variant labour force projections, 2013-2063	130

Executive Summary

This report provides an updated set of demographic projections of the Waikato Region, comprising all or parts of all of the region's eleven territorial authorities. Projections prepared for each territorial authority area include population, family and household, and labour force projections to a projection horizon of 2063.

The projections of total and age- and sex-specific populations were prepared using the standard cohort component model and using data from Statistics New Zealand. However, projections of net migration were derived using age- and sex-specific net migration rates, a significant departure from the method employed by Statistics New Zealand. Three population projection scenarios (a low-variant, a medium-variant, and a high-variant) were generated, using different (but related) assumptions about future fertility, mortality (survivorship), and net migration. Family and household, and labour force, projections were then derived from both population projection scenarios, by applying assumptions about living arrangement type rates and labour force participation rates respectively. In addition, the family and household projections explicitly account for the proportion of the population living in non-private dwellings, which is a departure from previous family and household projections, including those prepared by Statistics New Zealand.

The overall pattern of population change is one of growth followed by decline for the region as a whole, but is not followed uniformly by all territorial authorities. Four territorial authorities (Waikato District, Matamata-Piako District, Hamilton City, and Waipa District) are projected to experience population growth throughout the projection period, while most territorial authorities experience an initial increase in population (which is relatively modest for some) before experiencing later population decline. Additionally, population ageing is a significant feature of the projections for all territorial authorities.

Overall, the number of households is projected to closely follow the trajectory of the population for each territorial authority. However, there is a substantial change in the distribution of households and families, with fewer couples with children and two-parent families, and more one-parent families and one-person households.

The labour force projections show a sustained increase in the labour force to 2038, after which the labour force begins to decline. However, given the significant population ageing that the region will experience the size of the future labour force depends crucially on the incentives (or disincentives) provided for older people to remain in the paid workforce.

1. Introduction

At a meeting of strategic planners from the Future Proof partner councils (Hamilton City Council, Waikato District Council, and Waipa District Council) and other interested parties (Latitude Planning, Waikato Regional Council), it was agreed to update the earlier demographic projections initially undertaken in 2014 by the University of Waikato (Jackson *et al.*, 2014a; Cameron and Cochrane, 2014) and subsequently updated in 2015 to account for the release of 2013 Census data (Cameron and Cochrane 2015).

This report briefly summarises the Waikato 2016-update population projections for TAs in the Waikato Region. These updated projections follow the same methodology as that reported in Cameron and Cochrane (2014; 2015), thereby ensuring that the demographic projections follow an established and agreed methodology for projection of the population and labour force at the territorial authority level.

The medium-variant population and labour force projections are therefore identical to those previously reported in Cameron and Cochrane (2015). However, these updated projections differ in two important respects. First, the projections include new low-variant and high-variant population and labour force projections, which follow the same methodology as that employed in Cameron and Cochrane (2014), although with updated base population data and other assumptions based on Cameron and Cochrane (2015).¹ Second, the method used to derive family and household projections from the population projections has been revised to explicitly account for the proportion of the population living in non-private dwellings. This latter change ensures that the family and household projections will more closely match the observed number of households and families from Census data, as well as the ‘ground truth’ observed by strategic planners.

This project therefore continues to build on the pioneering work by the University of Waikato on end-user informed demographic projections (Cameron *et al.*, 2008). This method explicitly incorporates local information by experts and end-users with respect to the assumptions that drive the projections. The assumptions used are therefore different from those adopted for official Statistics New Zealand (SNZ) projections.

¹ The 2015 update of the projections only included medium-variant projections.

The projections for the Waikato Region use the Whole-of-Waikato population model which is both incorporated into, and can be run separately from, the Waikato Integrated Scenario Explorer (WISE) model (Rutledge *et al.*, 2008; 2010). The WISE model is a systems-based integrated model that incorporates economic, demographic, and environmental components across the entire Waikato Region.

In sum, the project involved calculating population, family and household, and labour force projections for each TA in the Waikato Region, and for the region in total. These projections will feed into a follow-up report on population, and family and household, projections at the Census Area Unit level (Cameron and Cochrane, 2016 forthcoming).

The remainder of the report is structured as follows:

- Section 2 briefly summarises the data and methodology used in preparing the projections, including additional detail on the updated methodology for deriving family and household projections;
- Section 3 presents and briefly discusses the TA level demographic (population, family and household, and labour force) projections, for all (low-variant, medium-variant, and high-variant) scenarios; and
- Section 4 concludes.

2. Data and Methods

2.1 Data

The data used in the formulation of these projections were sourced from Statistics New Zealand (SNZ). This includes national and subnational data from the five-yearly Census of Population and Dwellings (1991, 1996, 2001, 2006, and 2013), national and subnational period life tables, national and subnational vital statistics data, the SNZ subnational demographic projections series, and the reported assumptions underlying those projections. In other words, the data used to develop the Waikato 2016-update projections reported here are the same as those used in the Waikato 2015-update projections reported in Cameron and Cochrane (2015). The sole exception is additional data sources from Statistics New Zealand on the number of people (by age and sex) living in non-private dwellings (see Section 2.7 below for further detail).

The boundaries for the projections are consistent with boundaries at the time of the 2013 Census of Population and Dwellings. In all cases, the projections presented in this report are only for those parts of each territorial authority that are contained within the Waikato Region. In particular, this affects Waitomo District, Taupo District, and Rotorua District, all of which have some Census Area Units that lie outside of the Waikato Region.

2.2 The Cohort Component Model

The most common methodology for population projections is the cohort component model. This is the methodology used by SNZ, the major supplier of data on current and projected population size, growth and structure for New Zealand regions and districts. In recent years new methodologies have been developed for population projections, such as stochastic and microsimulation approaches (see e.g. Dharmalingam and Pool, 2006). This report follows the methodology developed by Cameron et al. (2008) and subsequently used in Jackson et al. (2014), and Cameron and Cochrane (2014; 2015).

The general approach that was used in developing the population projections is as follows. The current population (base population) is first defined, and then assumptions are made about demographic changes to this population, using the cohort component model. This is a stock-flow model that is based on the following fundamental “accounting identity” of population growth:

$$\begin{aligned} & \text{usually resident population in area } i \text{ at the end of year } t \\ & = \text{usually resident population in area } i \text{ at the beginning of year } t \\ & + \text{births to mothers residing in area } i \text{ during year } t \\ & - \text{deaths of residents of area } i \text{ during year } t \\ & + \text{inward migration from other regions and from overseas into region } i \text{ during year } t \\ & - \text{outward migration of residents from area } i \text{ to other regions or to overseas during year } t \end{aligned}$$

Starting with a given base year population (see below), the population twelve months later is then calculated using the equation above. This defines the base population of the following year. This procedure is repeated for each year through to the end of the projection period (the projection horizon), and separately for each sex. Separate assumptions are used for each of the demographic “drivers”. Births are derived by multiplying age-specific fertility rates by the numbers of women of childbearing age (13-49). Deaths are derived by multiplying age- and sex-specific mortality rates by the numbers of people of each age and sex. Age- and sex-specific net migration is initially derived by multiplying age- and sex-specific net migration rates by the numbers of people of each age and sex. The procedure for deriving estimates of net migration is a key departure from the method employed by SNZ and involves calibration based on end-user information and additional local data, where available. The method for deriving these estimates is described in more detail below.

Demographic change assumptions, when applied to the current population, allow the calculation of possible future populations. Such calculations are referred to as population *projections* rather than population *forecasts*, because they depend on sets of assumptions and no explicit assessment is made of the relatively likelihood of the assumptions being correct in the future. Varying the assumptions across projections simply permits a sensitivity analysis that provides a relatively broad range of possible outcomes.

2.3 Base Populations

The base population used for the projections was the revised Estimated Resident Population (ERP) at 30 June 2013, as revised by SNZ in 2014. This is the same base population as used in the Waikato 2015-update demographic projections (Cameron and Cochrane, 2015). As this ERP is only reported by SNZ in 5-year age groups, the single-year age groups necessary for the population projection model were derived by interpolating the ERP for each territorial authority using the Census Usually Resident Population (CURP) counts by single-year-of-age from the 2013 Census of Population and Dwellings. Separate interpolations were undertaken for each sex.

2.4 Fertility and Mortality Assumptions

The fertility and mortality assumptions used in the projections were based on the subnational ‘medium’ fertility and mortality assumptions used by SNZ in their 2013-base subnational population projections. These are the same fertility and mortality assumptions as used in the Waikato 2015-update demographic projections (Cameron and Cochrane, 2015). Having considered alternative time series for fertility and mortality, we believe that the assumptions used by SNZ with respect to fertility and mortality in their subnational population projections are adequate for our purposes (see Cameron *et al.*, 2008). As SNZ use past fertility and mortality (survivorship) rates based on the official deaths and births statistics to develop their projections, the SNZ assumptions represent an appropriate starting point.

Age-specific fertility rates by single-year-of-age (of the mother) were derived by first interpolating the five-year subnational age-specific fertility rate using the national-level age-specific fertility rate profile by single-year-of-age. The resulting profiles were then scaled to match the projected total fertility rate for each territorial authority. The total fertility rate for each territorial authority was assumed to follow the SNZ projections to 2043 then remain invariant after 2043. Sex at birth was assumed to follow a constant pattern similar to past trends, with 105.5 males for every 100 females at birth.

Age-specific survivorship rates by single-year-of-age and sex were derived by first interpolating the survivorship rates from the subnational abridged life tables for each territorial authority using the national life tables by single-year-of-age. The resulting profiles were then scaled to match the projected life expectancy at birth for each territorial authority. Life expectancy at birth for each territorial authority was assumed to follow the SNZ projections to 2043 then remain invariant after 2043.

2.5 Migration Assumptions

The migration assumptions employed in the Waikato 2016-update demographic projections are the same as those used in the Waikato 2015-update demographic projections (Cameron and Cochrane, 2015). A full description of the methodology employed, including the validation and calibration of the projections is contained in Cameron and Cochrane (2014). We note here that these assumptions differ substantially from the assumptions employed by Statistics New Zealand, and it is from these assumptions that the largest differences between the Waikato

2016-update projections and the Statistics New Zealand 2013-base subnational population projections arise. For more detail on the differences in migration assumptions, see Cameron and Cochrane (2014).

2.6 Low-variant and High-variant Population Projection Assumptions

In addition to the baseline (medium-variant) projections outlined above, we present low-variant and high-variant population projections which are based on an alternative set of assumptions. The alternative assumptions for the low-variant and high-variant population projections were similar to those employed by Cameron and Cochrane (2014), but with a narrower bandwidth.

Following Cameron and Poot (2010; 2011), each age- and gender-specific rate (fertility, mortality/survivorship, and net migration) was multiplied by a shift factor. The percentage change in each of the rates is given by k , whereby k is based on a distribution for fertility, mortality/survivorship and migration. The entire deterministic path of fertility, mortality and net migration rates over the 2013-2063 projection period was shifted by the corresponding factors. In this way, setting all multipliers to zero would result in the baseline projection, and the multiplier is varied around zero to increase or decrease each rate.

Following Cameron and Poot (2010; 2011), distributional assumptions for each multiplier were based on observed data from 1950 to 2009. The fertility multiplier was assumed normally distributed with a mean zero and standard deviation of 1.25 (giving a range of about +/- 5% of the mean fertility rates). The survivorship multiplier was assumed normally distributed with mean zero and a standard deviation of 0.5 (i.e. giving a range of +/- 2% of the mean mortality rates). The net migration multiplier was assumed normally distributed with mean zero and a standard deviation of 12.5 (i.e. giving a range of +/- 50% of the mean net migration rates. In all cases, the assumed variability is similar or somewhat less than that observed over the periods since 1950 and since 1991.

When applied stochastically, these shift factors can be used to generate stochastic population projections. However, in this case the shift factors were used to generate only low and high population projections. The low-variant projections assumed one standard deviation lower fertility and net migration, and one standard deviation higher mortality. The high-variant projections assumed one standard deviation higher fertility and net migration, and one standard

deviation lower mortality.² These represent plausible alternative scenarios to the baseline (medium-variant) population projection scenario.

2.7 Family and Household Projection Assumptions

Before considering the assumptions employed in the family and household projections, some comment is necessary about the various sources of data on the historic, contemporary, and projected numbers of families and households. First, Statistics New Zealand produce counts of the numbers of families and households (by type) from the Census.³ These counts of families and households do not account for net Census undercount (see Statistics New Zealand, 2014), and will therefore be an underestimate of the actual number of families and households of each type. Moreover, they do not include counts of unoccupied dwellings.

Second, Statistics New Zealand produces family and household projections, which begin with an estimate of families and households in June 2013. This 2013 estimate is substantially higher than the Census night counts for two reasons. The first reason is, as noted above, net Census undercount of families and households. The second reason is that Statistics New Zealand family and household projections are based on methods that do not account for the number of people living in non-private dwellings, i.e. people who do not live in standard family or household units (see below for further details). Both of these reasons lead the SNZ family and household projections to overestimate the number of families and households of each type.

The theoretically correct number of families and households in 2013 is therefore likely to be somewhere between the Census 2013 count and the SNZ projections estimate. For example, according to published Census data, the number of households in Hamilton City at Census 2013 was 50,388, while the SNZ 2013-base subnational family and household projections estimate the number of households in Hamilton City in June 2013 as 54,200. Discussions with Hamilton strategic planners suggest that the number of households from the Statistics New Zealand 2013-base subnational family and household projections for Hamilton City may start from a base that is around 2,000 too high. The Waikato 2016-update family and household

² An earlier version of this report included a high-variant projection that assumed two standard deviations higher fertility and net migration, and two standard deviations lower mortality. Projections based on those alternative high-variant assumptions are available from the authors on request.

³ For example, see 2013 Census QuickStats about families and households at: <http://www.stats.govt.nz/Census/2013-census/profile-and-summary-reports/qstats-families-households/tables.aspx>.

projection for Hamilton City starts from an estimated 2013 number of households of 52,385, which seems to be a plausible estimate. Finally, it is worth noting that council rating databases will differ from family and household projections because the projections do not estimate the number of unoccupied dwellings, and the rating database does not account for families or households that live in primarily commercial or industrial buildings.

The Waikato 2016-update family and household projections employed a slightly different method to that used in the earlier projections. In the Waikato 2014 and 2015-update projections, the family and household projections were derived from the population projections by employing additional assumptions regarding the rates of people living in different living arrangements (e.g. couples without children, couples with children, etc.), the average number of families per household, and the average number of people per multi-person household (see Cameron *et al.*, 2007 for further details on the method). The numbers of households were then derived from the number of people in each living arrangement type. The projection assumptions in the Waikato 2014 and 2015-update projections were informed by data from the 2001, 2006 and 2013 Censuses, and based on the projections used by Statistics New Zealand in their 2006-base subnational family and household projections.

In the Waikato 2016-update family and household projections we employed an additional initial step in the method, which was to first calculate and project the proportion of the population living in non-private dwellings. Non-private dwellings include prisons, student halls of residence, rest homes, hospitals, marae, camping grounds, communes, etc. People in these living arrangements are living in neither families nor households, so it is appropriate to remove an estimate of people living in non-private dwellings from the projected population before deriving the number of families and households.

We first obtained data from SNZ on the numbers of people living in non-private dwellings by age and sex in each TA for the 2001, 2006 and 2013 Censuses. Table 1 summarises the number and percentage of the population living in non-private dwellings over these three Censuses.⁴ Many of the TAs have large proportions of the population living in non-private dwellings, and the reasons for these are mostly obvious. Otorohanga District has the highest proportion of people living in non-private dwellings in every Census, due to the small total population and

⁴ Note that the numbers are derived from Census counts, and do not account for net Census undercount. Where household type is unidentifiable, we assume that the proportion living in non-private dwellings is the same as for cases where household type is identifiable.

the presence of Waikeria Prison (e.g. the proportion of males aged 20-24 years living in non-private dwellings was 43.4% in 2001). Similarly, Taupo District has Rangipo Prison, and the completion of Spring Hill Prison is obvious from the substantial increase in Waikato District between 2006 and 2013. Thames-Coromandel District, Hauraki District, Taupo District, and Waipa District all have substantial older populations and a number of rest homes. Hamilton City has a large student population living in student accommodation, which accounts for its high proportion of people living in non-private dwellings.

Table 1: Number and proportion of people living in non-private dwellings, 2001-2013

Territorial Authority⁵	2001 Census		2006 Census		2013 Census	
	Number	%	Number	%	Number	%
Thames-Coromandel	1,683	6.8%	1,830	7.0%	1,473	5.7%
Hauraki	597	3.5%	300	1.7%	282	1.6%
Waikato District	894	1.8%	879	1.6%	1,995	3.3%
Matamata-Piako	525	1.8%	465	1.6%	624	2.0%
Hamilton City	4,266	3.7%	4,905	3.9%	5,064	3.6%
Waipa	1,185	3.1%	1,227	2.9%	1,371	3.0%
Otorohanga	1,041	11.4%	1,128	12.1%	792	8.6%
South Waikato	279	1.3%	267	1.2%	339	1.6%
Waitomo	321	3.5%	192	2.1%	207	2.4%
Taupo	2,421	7.8%	2,253	7.0%	1,992	6.1%
Rotorua	3,402	5.5%	3,012	4.7%	3,282	5.2%

⁵ Numbers in this table cover the entirety of each Territorial Authority, not just those parts within the Waikato Region.

The projected number of people by age and sex living in NPDs in each TA was calculated based on the projected age-sex distribution and the average age-sex-specific rates of NPD living for each TA from the past three Censuses. This explicitly assumes that the proportion of people of each age and sex who are living in NPDs will remain constant over time, although the total number and proportion of the total population living in NPDs will change as the age-sex distribution changes over time. In particular, we expect an increasing proportion of the population to be living in NPDs over time, as the proportion of people in older age groups increases over time and older people are (in most TAs) more likely to be living in NPDs.

After projecting the number of people by age and sex living in NPDs in each TA, the projected number of people living in private dwellings was calculated (as the difference between the total population at each age and sex and the number of people at each age and sex living in NPDs). The Waikato 2016-update family and household projections were then derived using the same method as for the earlier projections, but derived from the population in private dwellings rather than the total population. The projected living arrangement type rates were updated to match those used by SNZ in their 2013-base subnational family and household projections, as were the projected number of people in each multi-person household, and the number of families per family-household.

2.8 Labour Force Projection Assumptions

The Labour Force projections were obtained by applying age- and sex-specific assumptions about future trends in labour force participation rates (LFPR) to the population projections (see Cameron *et al.*, 2007). Following Bryant *et al.* (2004) and Jackson *et al.* (2014a; 2014b), we assumed three long-run trends in labour force participation would continue into the future, specifically we assumed that: (1) age- and sex-specific participation rates increase in a linear fashion to 2033 before stabilising and remaining constant thereafter; (2) the labour force participation of prime age women increases over a twenty year period (2013-2033) so that half of the age-specific gender gap in labour force participation in 2013 is closed by 2033 (i.e. if the difference in labour force participation rates between the genders in a particular age group was six percentage points in 2013, we assume that the gap would have closed to three percentage points by 2033); and (3) current increases in labour force participation rates amongst older workers continue out to 2033 before stabilising.

In the case of the latter assumption, we essentially assume that over the twenty-year period 2013-2033 the labour force participation rate profile of those older than the age group in which peak labour force participation occurs ages by five years, e.g. in 2033 the labour force participation rates of 50-54 year olds will be equal to the participation rates of 45-49 year olds in 2013. In instances where this would result in a fall in the age specific participation rate the higher (previous) rate is used. Similarly, in applying the second assumption (on changes in the labour force participation of women), if the female labour force participation rate was higher than the male labour force participation rate in any age group the higher rate was used. This ensured that the labour force participation rate of women did not fall in any age group.

The effect of considering these three assumptions separately can be seen in the FutureProof projections (Jackson *et al.*, 2014). In this report we present only our preferred scenario, which corresponds to Scenario 4 in that report.

3. Population, Family and Household, and Labour Force Projections

This section presents the population, family and household, and labour force projections for each TA in the Waikato Region. For population, three projection scenarios are presented: (1) a low-variant population projection; (2) a medium-variant population projection; and (3) a high-variant population projection. These three scenarios should be viewed as three possible futures, based on known assumptions about future fertility, mortality and net migration, and should not be interpreted as forecasts of future population. However, as noted in the earlier projection reports (Cameron and Cochrane 2014; 2015) the projection assumptions are based on a continuation of previous population trends that can reasonably be expected to continue into the future. The family and household projections and labour force projections are also each presented for both scenarios.

All projections are presented in diagrammatic form⁶ – tables showing the population projections numerically are included in Appendix I, which are also available using the Waikato Integrated Scenario Explorer Software (Rutledge *et al.*, 2008; 2010). Tables showing the family

⁶ In the figures for the family and household projections, the difference between the sum of the four categories presented (couples with children, two-parent families, one-parent families, and one-person households) and the total number of households is made up of the number of ‘other multi-person households’, as well as accounting for the number of households which contain more than one family.

and household projections numerically are included in Appendix II, and tables showing the labour force projections numerically are included in Appendix III.

3.1 Population, Family and Household, and Labour Force Projections for Thames-Coromandel District

Figure 1 presents the 2013-base population projections for Thames-Coromandel District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Thames-Coromandel District is 27,340. Under the medium-variant population projection scenario, the population increases to a peak of 29,316 in 2034 before declining to 22,197 in 2063. The medium-variant projection appears to reasonably closely follow the recent trend in the Thames-Coromandel District population, with annualised population growth over the period 2013-2031 of 0.38% per year, similar to the 0.43% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population mostly decreases over the entire projection period, to 17,552 in 2063. Under the high-variant scenario, the population increases to a peak of 32,838 in 2041 before declining to 28,058 in 2063. In comparison, the SNZ 2013-base medium-variant projection tracks below the medium-variant projection presented here, with the SNZ high-variant similar but slightly above the Waikato 2016 medium-variant scenario. The SNZ population estimates for 2013-2015 are similar to the values projected in the Waikato 2016 high-variant scenario.

Figure 2 disaggregates the components of population change for Thames-Coromandel District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is positive until 2034. This is made up of net inward migration (more in-migration than out-migration), but offset by natural decrease (more deaths than births). Net migration peaks in 2021 then starts to decline, and eventually becomes negative from 2049. Natural decrease remains throughout the projection and increases in absolute terms from a net loss of between 85 and 90 people per year over the period 2013-2018 to a net loss of between 310-330 people per year over the period 2058-2063.

Figure 1: Population projections for Thames-Coromandel District, 2013-2063

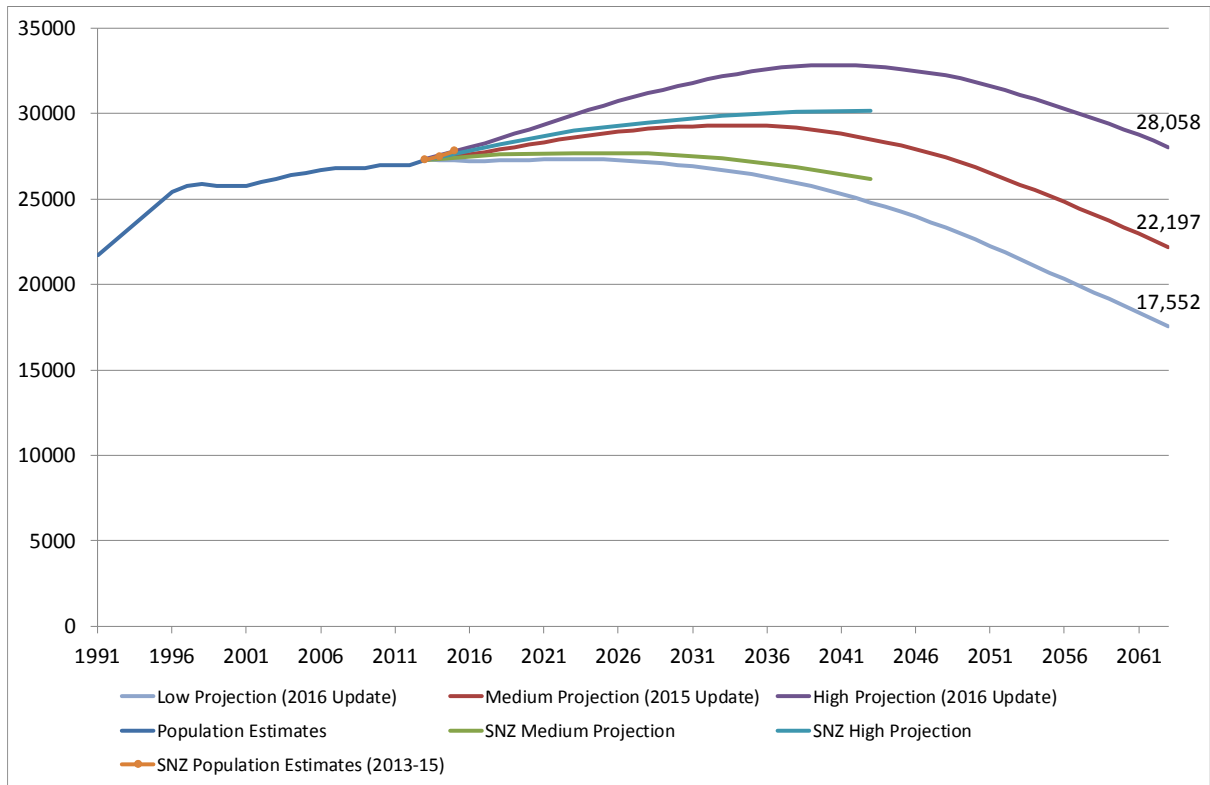
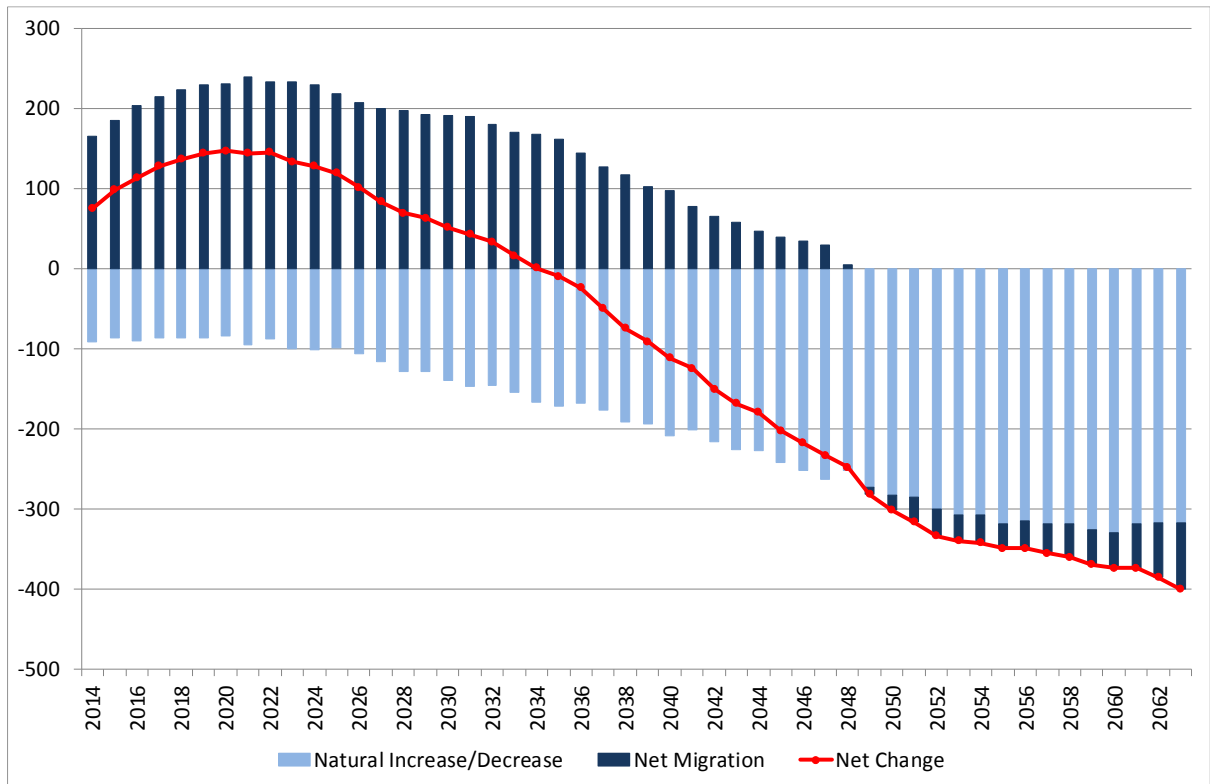
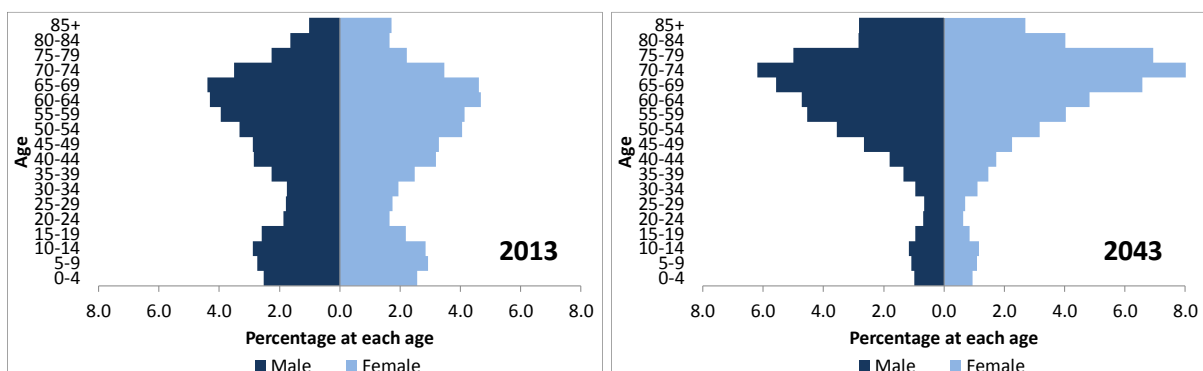


Figure 2: Projected components of population change for Thames-Coromandel District, medium-variant projection, 2014-2063



The age structure of Thames-Coromandel District is one of the oldest in the region, as shown in Figure 3. In 2013, 26.5 percent of the population are aged 65 years and over, and this is projected to increase to 50.9 percent by 2043. This old age profile leads to the natural decrease shown in the previous figure, and the rapid ageing of the population contributes to both the increasing natural decrease and the decrease in net migration.

Figure 3: Age-sex structure for Thames-Coromandel District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Thames-Coromandel District is shown in Figure 4. In terms of total households, the projection closely follows the medium-variant population projection, with the total number of households increasing from 11,607 in 2013 to a peak of 14,200 in 2037, before declining to 11,254 in 2063. The number of one- and two-parent families decline fairly consistently over the projection period, while the number of couples without children increases to a peak of 6,439 in 2041 before declining. The number of one-person households peaks in 2045 before declining. The low-variant family and household projection (by type) for Thames-Coromandel District is shown in Figure 5. In terms of total households, the projection increases relative to the low-variant population projection, with the total number of households increasing slightly to a peak of 12,901 in 2031, before declining to 8,923 in 2063. The high-variant family and household projection (by type) for Thames-Coromandel District is shown in Figure 5. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing to a peak of 16,147 in 2044, before declining to 14,186 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

Figure 4: Medium-variant family and household projections for Thames-Coromandel District, 2013-2063

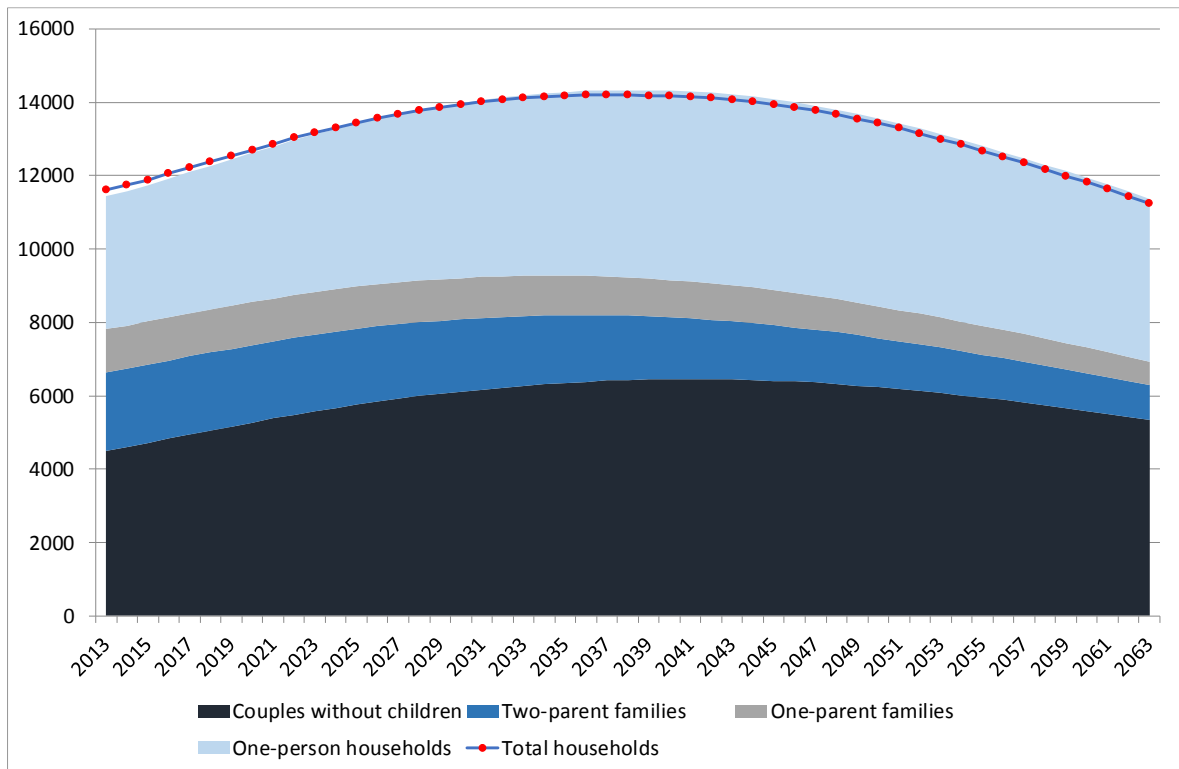


Figure 5: Low-variant family and household projections for Thames-Coromandel District, 2013-2063

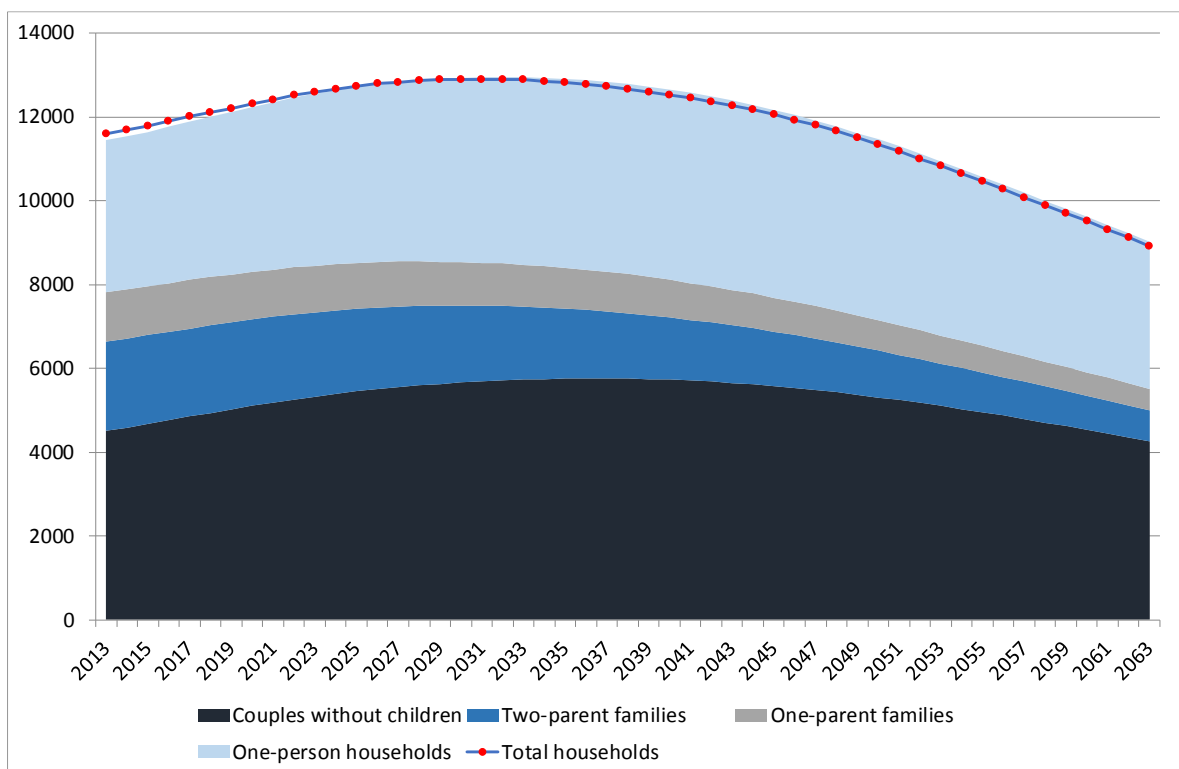
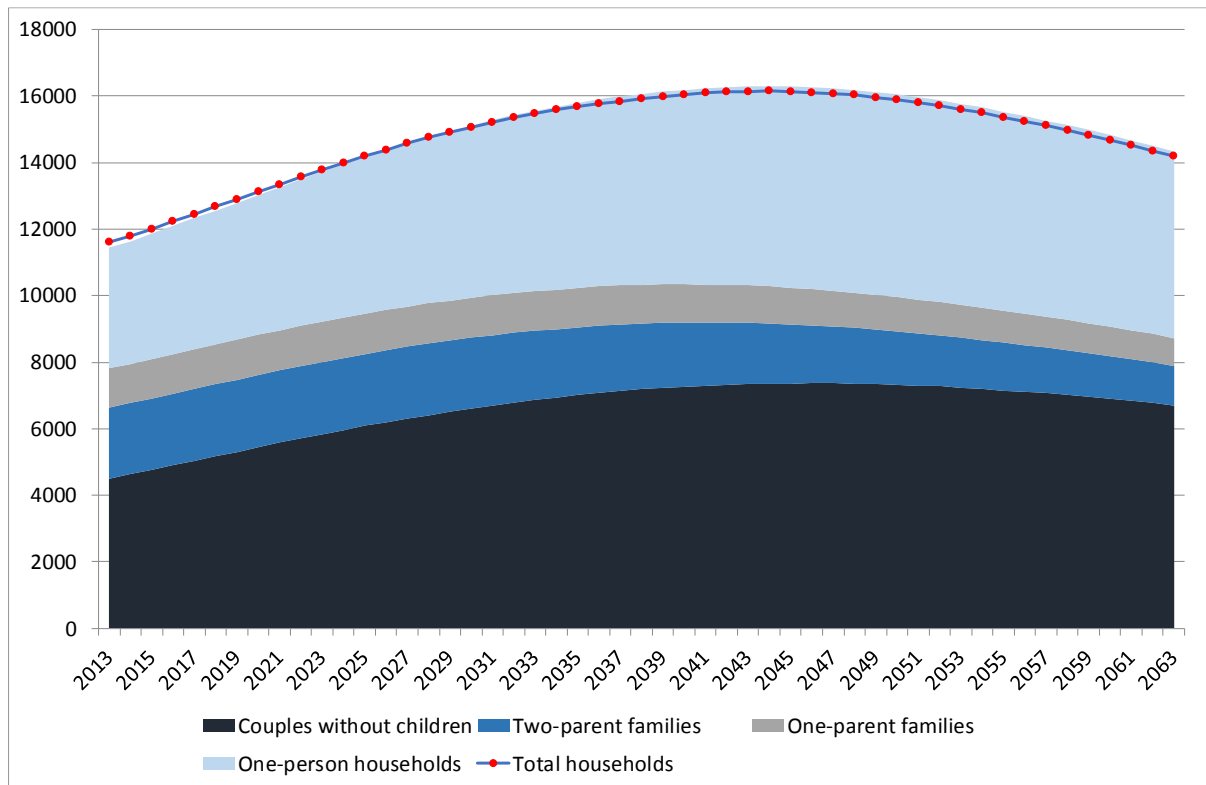
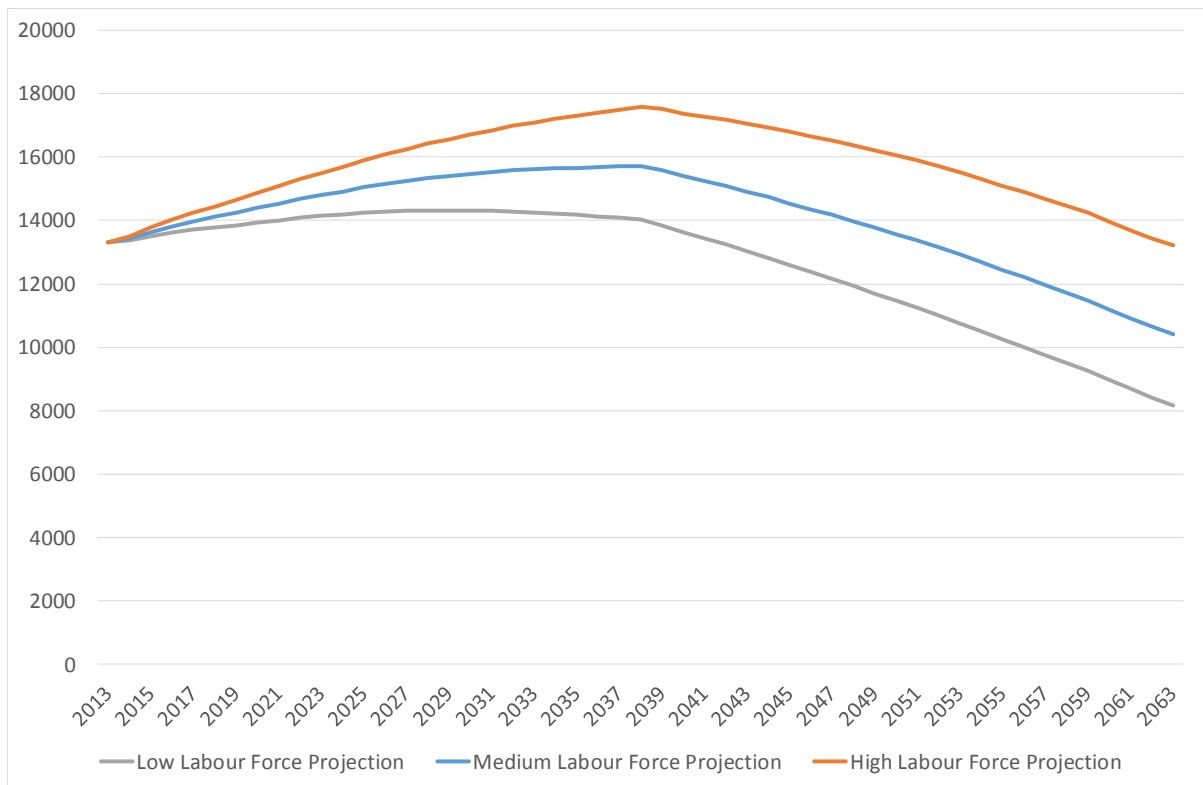


Figure 6: High-variant family and household projections for Thames-Coromandel District, 2013-2063



The labour force projections for Thames-Coromandel District are shown in Figure 7. The estimated labour force in June 2013 is 13,305. In the medium-variant projection, the labour force grows to a peak of 15,712 in 2038 before declining to 10,404 in 2063. In the low-variant projection, the labour force grows to a peak of 14,324 in 2028 before declining to 8,183 in 2063. In the high-variant projection, the labour force grows to a peak of 17,582 in 2038 before declining to 13,216 in 2063.

Figure 7: Labour force projections for Thames-Coromandel District, 2013-2063



3.2 Population, Family and Household, and Labour Force Projections for Hauraki District

Figure 8 presents the 2013-base population projections for Hauraki District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Hauraki District is 18,620. Under the medium-variant population projection scenario, the population increases to a peak of 19,572 in 2034 before declining to 15,520 in 2063. The medium-variant projection appears to slightly exceed the recent trend in the Hauraki District population, with annualised population growth over the period 2013-2031 of 0.26% per year, larger than the 0.02% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population decreases over the entire projection period, to 12,479 in 2063. Under the high-variant scenario, the population increases to a peak of 21,642 in 2040 before declining to 19,312 in 2063. In comparison, the SNZ 2013-base medium-variant projection is similar to the medium-variant projection presented here up to about 2021 before falling away to become more similar to the

low-variant projection, while the SNZ high-variant is similar but slightly above the Waikato 2016 medium-variant scenario. The SNZ population estimates for 2013-2015 are above the Waikato 2016 high-variant scenario.

Figure 8: Population projections for Hauraki District, 2013-2063

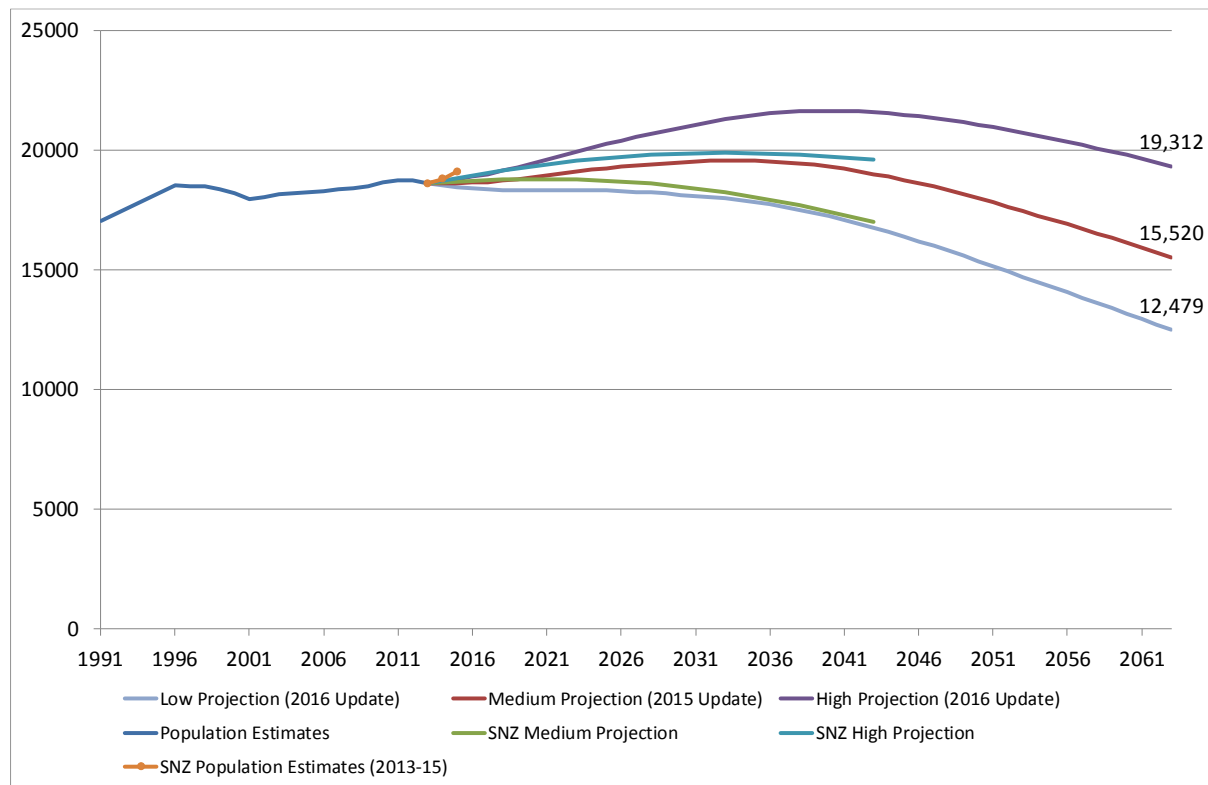
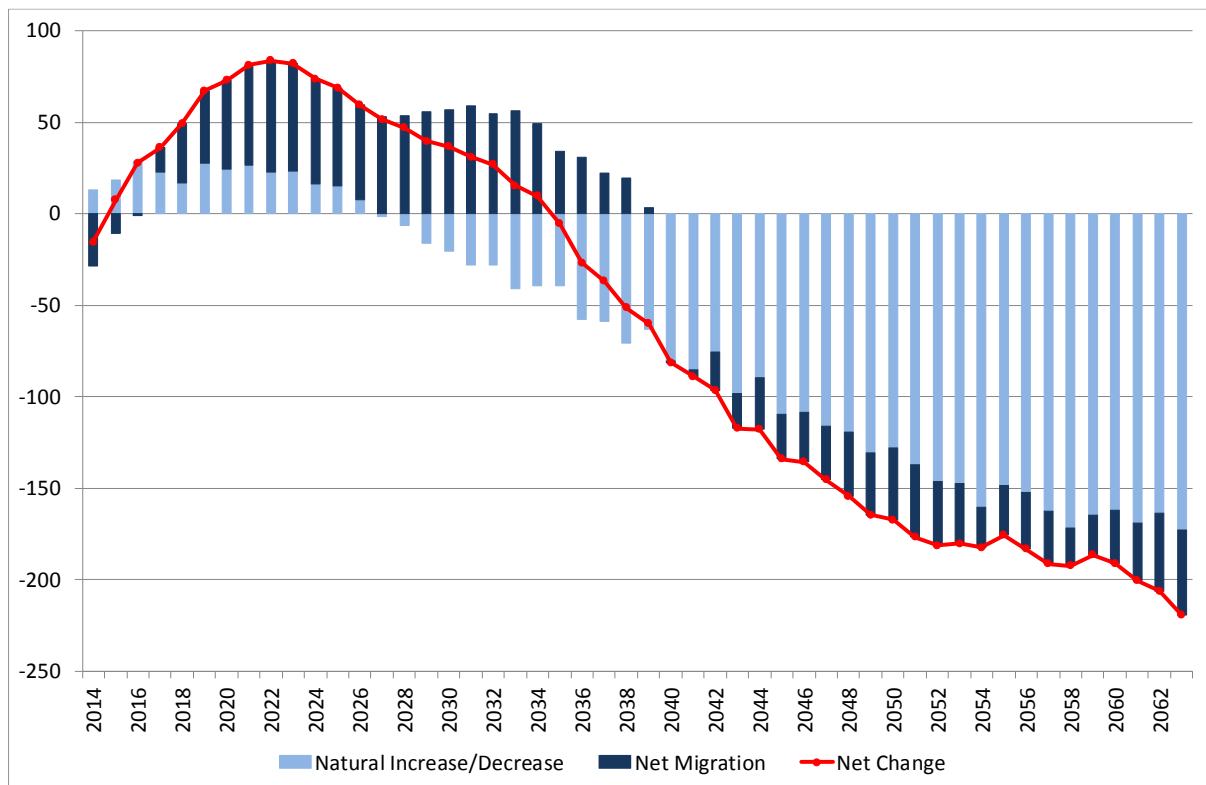


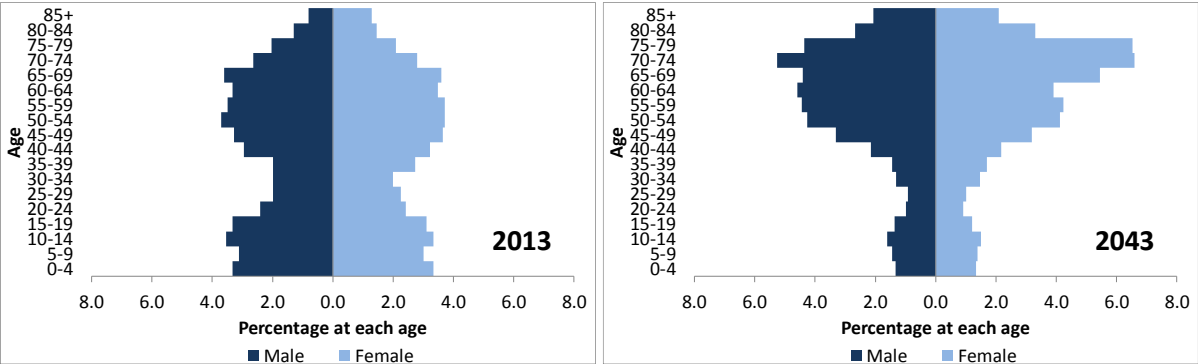
Figure 9 disaggregates the components of population change for Hauraki District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is mostly positive (except for the first year of the projection) until 2034. This is made up of net inward migration (more in-migration than out-migration), and natural increase (more births than deaths). Net migration peaks in 2022 then starts to decline, and eventually becomes negative from 2040. Natural increase turns to natural decrease (more deaths than births) in 2027, after which natural decrease increases in absolute size throughout the projection period, becoming a net loss of around 170 people per year by 2058-2063.

Figure 9: Projected components of population change for Hauraki District, medium-variant projection, 2014-2063



The age structure of Hauraki District is also one of the oldest in the region, as shown in Figure 10. In 2013, 21.6 percent of the population are aged 65 years and over, and this is projected to increase to 42.7 percent by 2043. This old age profile leads to the eventual natural decrease shown in the previous figure, and the rapid ageing of the population contributes to both the increasing natural decrease and the decrease in net migration.

Figure 10: Age-sex structure for Hauraki District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Hauraki District is shown in Figure 11. In terms of total households, the projection closely follows the medium-variant population projection, with the total number of households increasing from 7,668 in 2013 to a peak of 9,519 in 2040, before declining to 8,047 in 2063. The number of two-parent and one-parent families both peak in 2018 before declining consistently over the remainder of the projection period. The number of couples without children increases to a peak of 2,873 in 2043 before declining, while the number of one-person households peaks in 2047 before declining. The low-variant family and household projection (by type) for Hauraki District is shown in Figure 12. In terms of total households, the projection increases relative to the low-variant population projection, with the total number of households increasing to a peak of 8,667 in 2034, before declining to 6,514 in 2063. The high-variant family and household projection (by type) for Hauraki District is shown in Figure 13. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing to a peak of 10,712 in 2046, before declining to 9,944 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

The labour force projections for Hauraki District are shown in Figure 14. The estimated labour force in June 2013 is 8,974. In the medium-variant projection, the labour force grows to a peak of 10,794 in 2038 before declining to 7,813 in 2063. In the low-variant projection, the labour force grows to a peak of 9,852 in 2033 before declining to 6,236 in 2063. In the high-variant projection, the labour force grows to a peak of 11,944 in 2038 before declining to 9,790 in 2063.

Figure 11: Medium-variant family and household projections for Hauraki District, 2013-2063

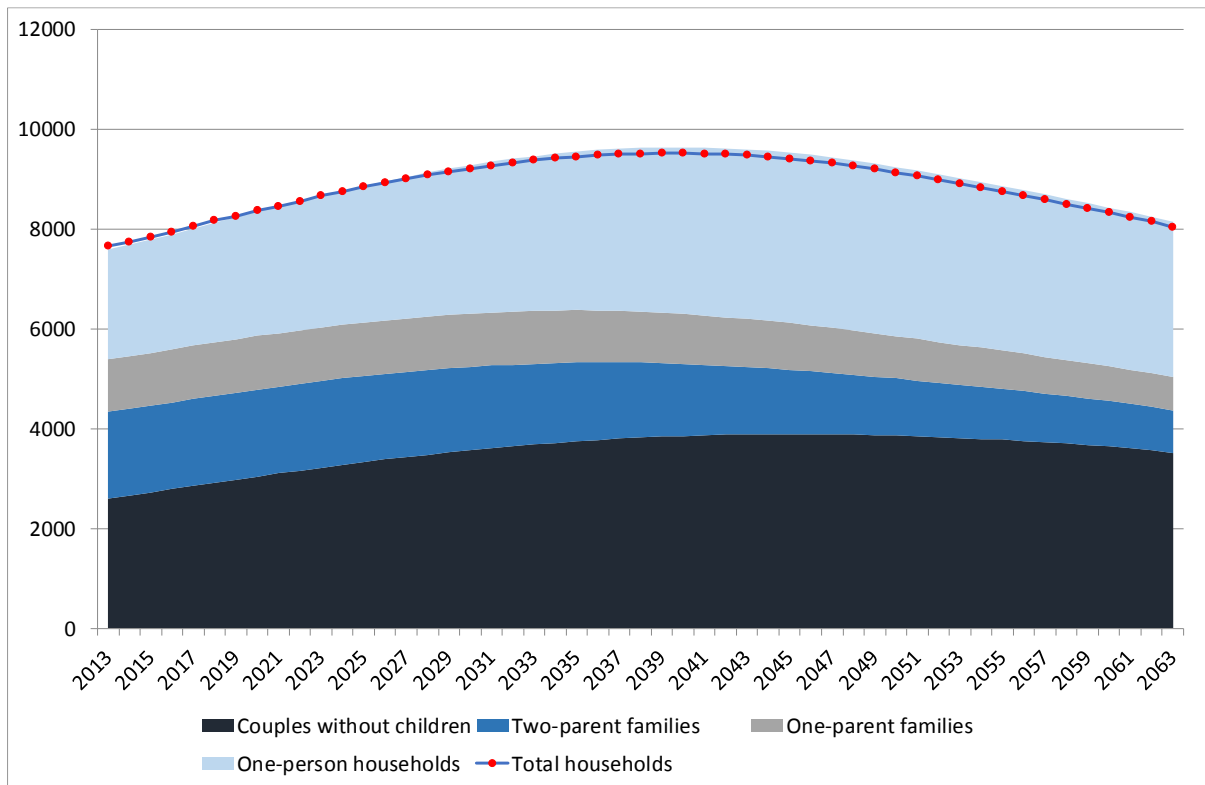


Figure 12: Low-variant family and household projections for Hauraki District, 2013-2063

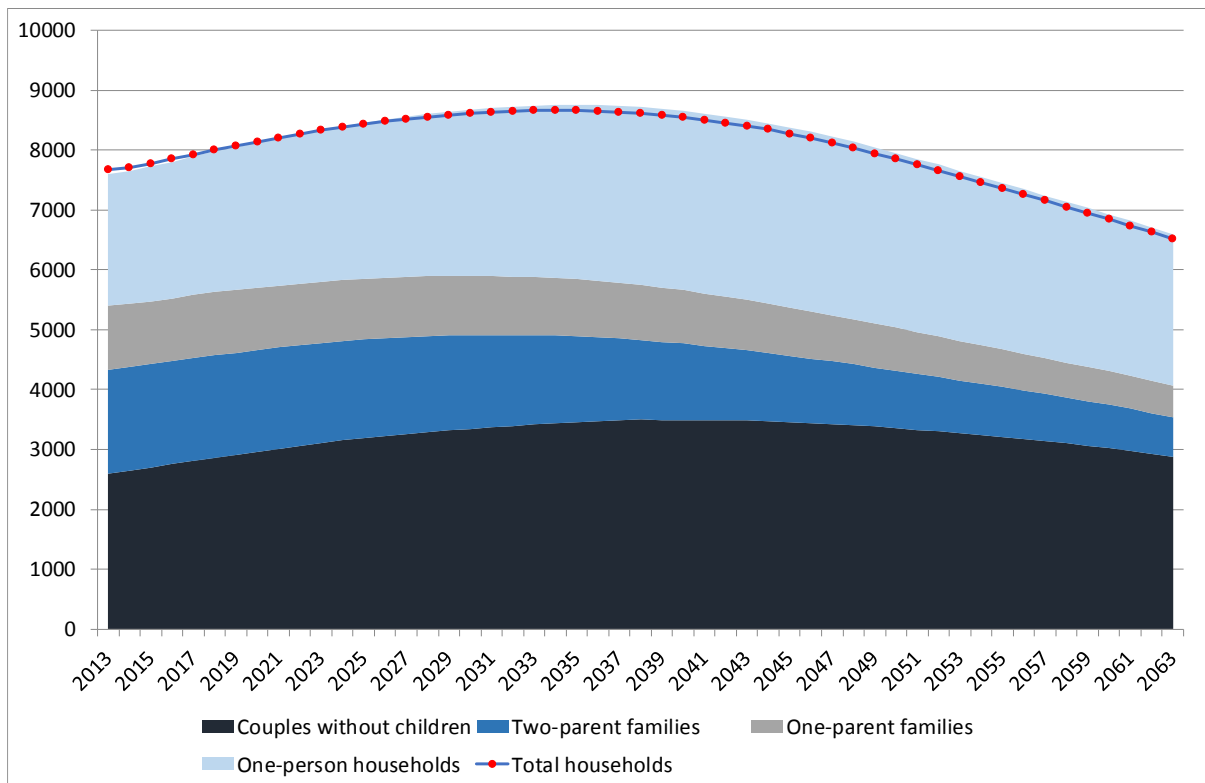


Figure 13: High-variant family and household projections for Hauraki District, 2013-2063

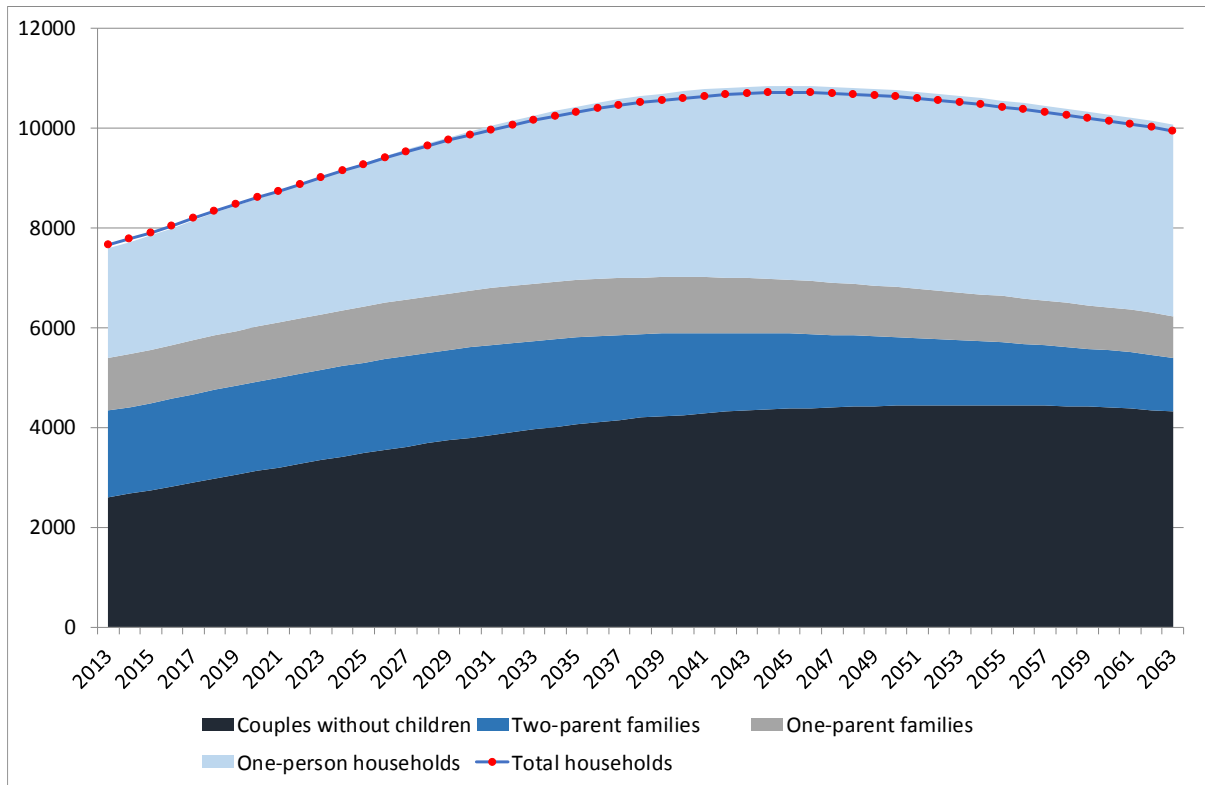
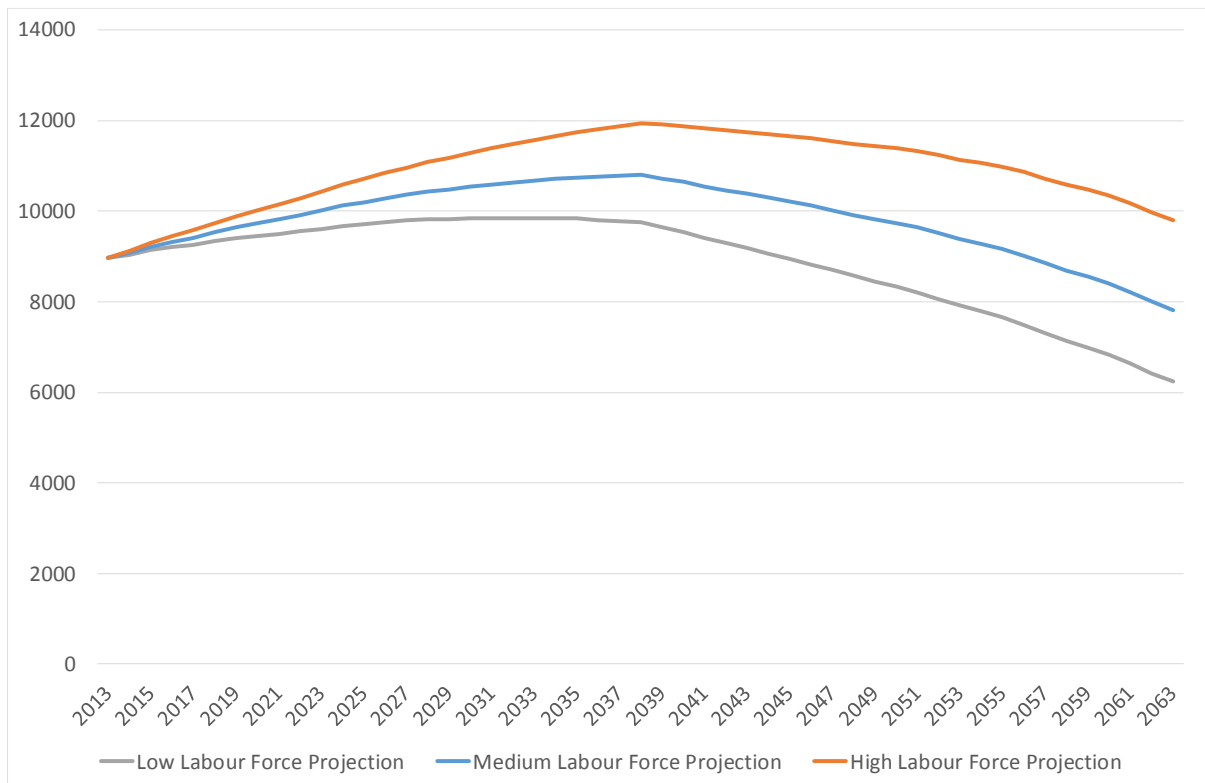


Figure 14: Labour force projections for Hauraki District, 2013-2063



3.3 Population, Family and Household, and Labour Force Projections for Waikato District

Figure 15 presents the 2013-base population projections for Waikato District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Waikato District is 66,530. Under the medium-variant population projection scenario, the population increases over the entire projection period, with a projected population in 2063 of 116,370. The medium-variant projection appears to reasonably closely follow the recent trend in the Waikato District population, with annualised population growth over the period 2013-2031 of 1.59% per year, similar to the 1.46% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population increases over the entire period to a population of 96,377 in 2063. Under the high-variant scenario, the population increases over the entire period to a population of 140,509 in 2063. In comparison, the SNZ 2013-base medium-variant projection tracks very similar to the low-variant projection presented here, with the SNZ high-variant very similar but slightly above the Waikato 2016 medium-variant scenario. The SNZ population estimates for 2013-2015 are above the Waikato 2016 high-variant scenario.

Figure 16 disaggregates the components of population change for Waikato District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is positive over the entire projection period. This is made up of substantial net inward migration (more in-migration than out-migration), and natural increase (more births than deaths). Net migration peaks in 2033 then starts to decline, but remains positive throughout the projection period. Natural increase peaks in 2025 then also starts to decline, falling much more substantially than net migration, eventually becoming natural decrease from 2057 onwards.

Figure 15: Population projections for Waikato District, 2013-2063

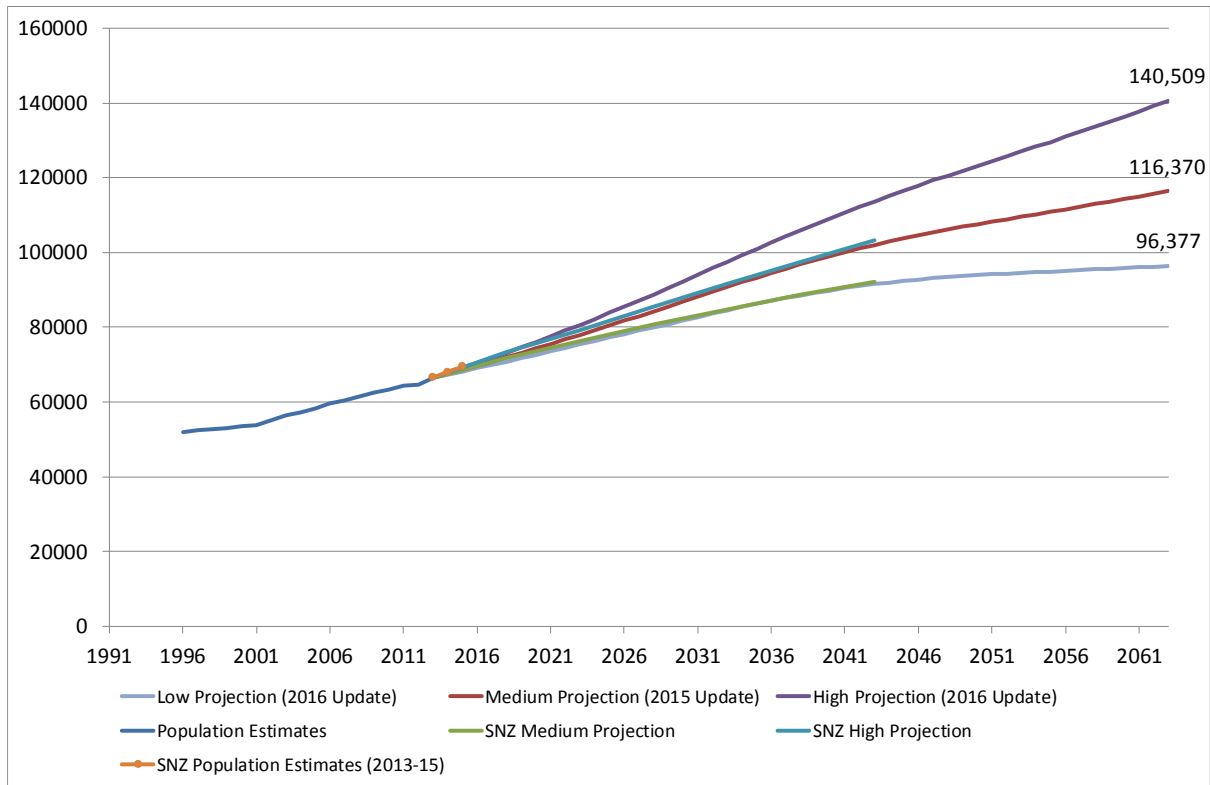
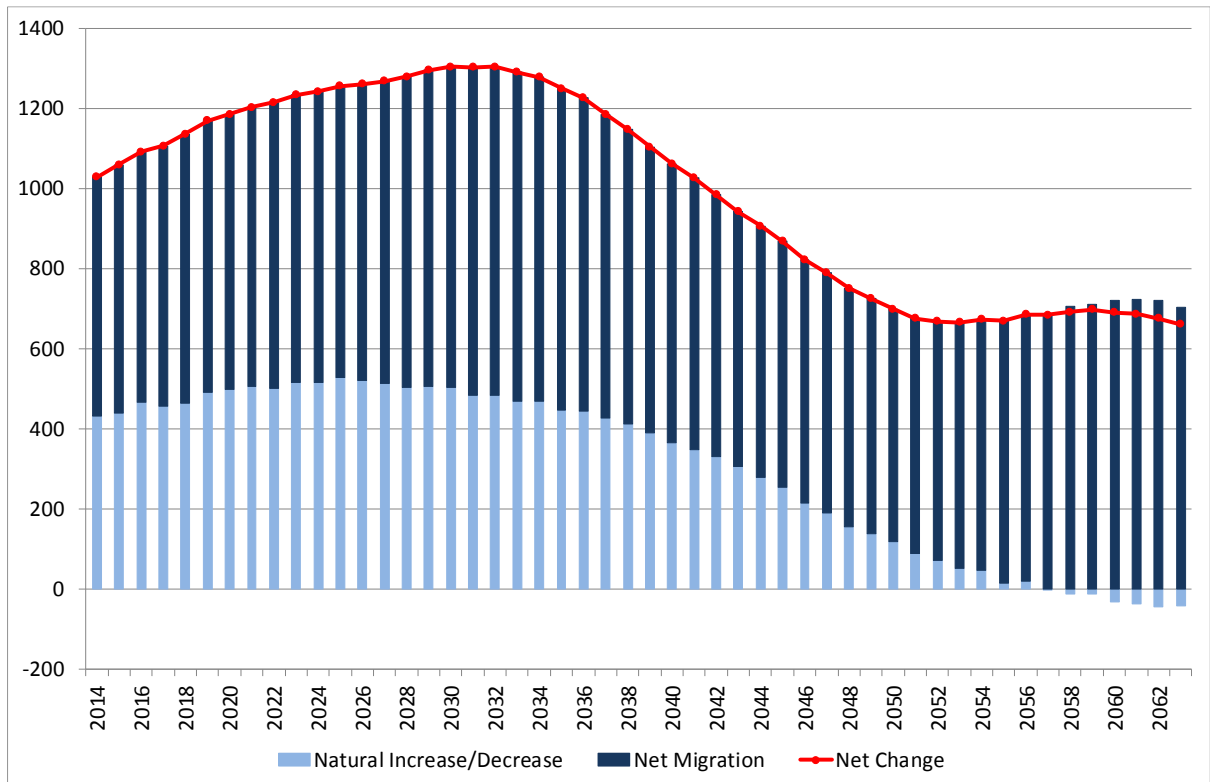
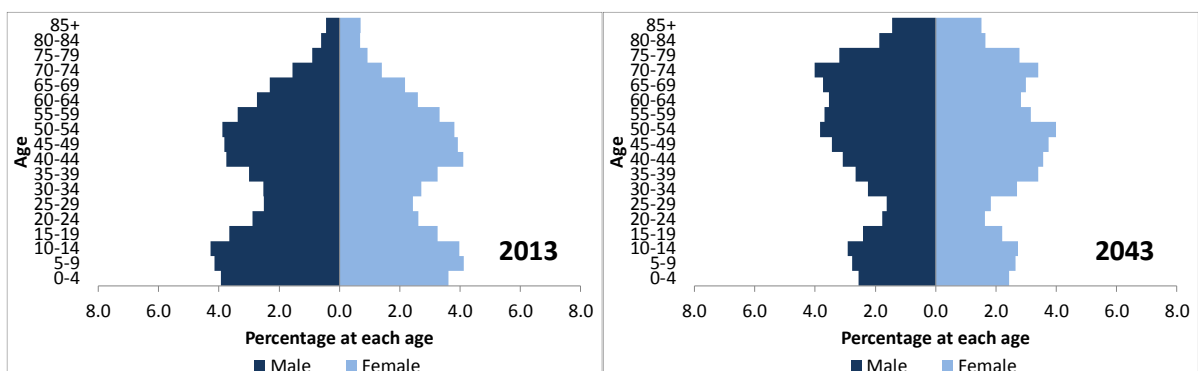


Figure 16: Projected components of population change for Waikato District, medium-variant projection, 2014-2063



The age structure of Waikato District is much younger than either Thames-Coromandel or Hauraki Districts, as shown in Figure 17. In 2013, 11.7 percent of the population are aged 65 years and over, and this is projected to increase to 26.6 percent by 2043. This substantial degree of ageing leads to the slowing of natural increase shown in the previous figure, and to a lesser extent the slowing of net migration.

Figure 17: Age-sex structure for Waikato District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Waikato District is shown in Figure 18. In terms of total households, the projection closely follows the medium-variant population projection, with total number of households increasing over the entire projection period, from 22,998 in 2013 to 48,477 in 2063. All household and family types increase in number over the entire projection period. The low-variant family and household projection (by type) for Waikato District is shown in Figure 19. In terms of total households, the projection closely follows the low-variant population projection, with the total number of households increasing over the entire projection period, to 40,443 in 2063. The high-variant family and household projection (by type) for Waikato District is shown in Figure 20. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing over the entire projection period, to 58,107 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

Figure 18: Medium-variant family and household projections for Waikato District, 2013-2063

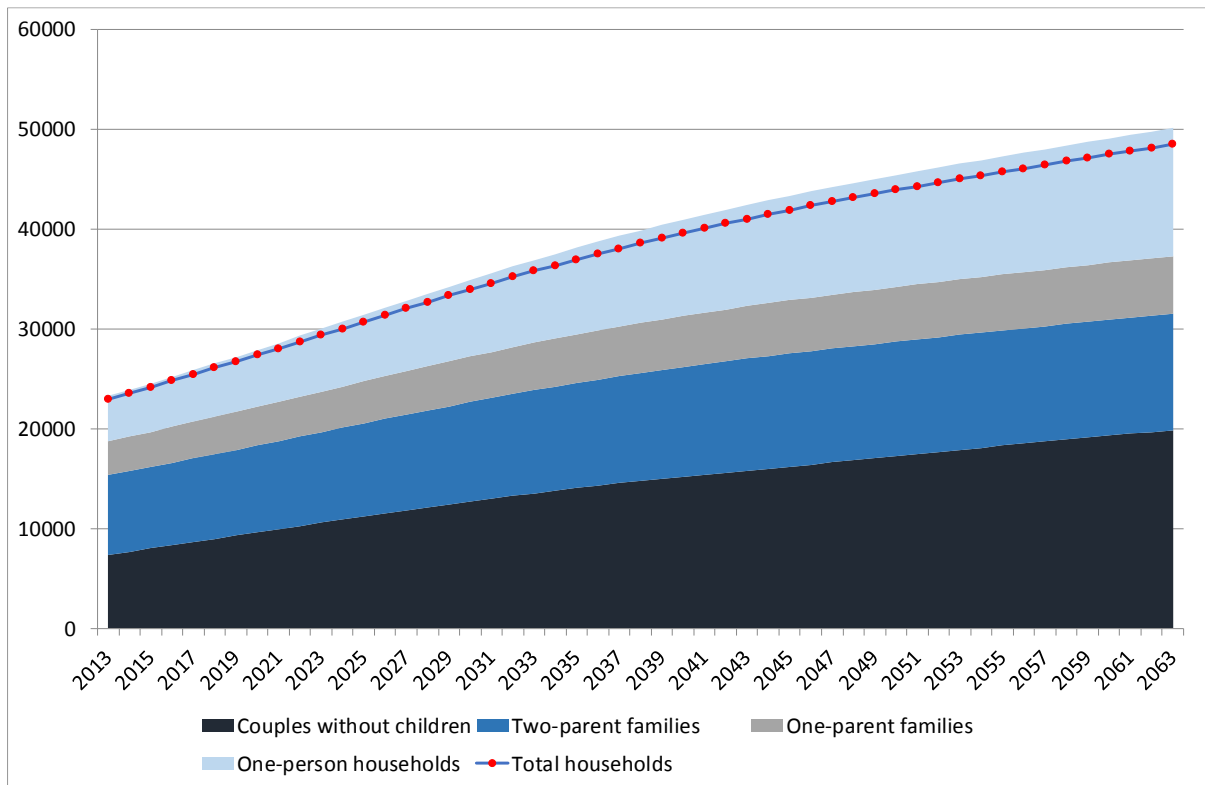


Figure 19: Low-variant family and household projections for Waikato District, 2013-2063

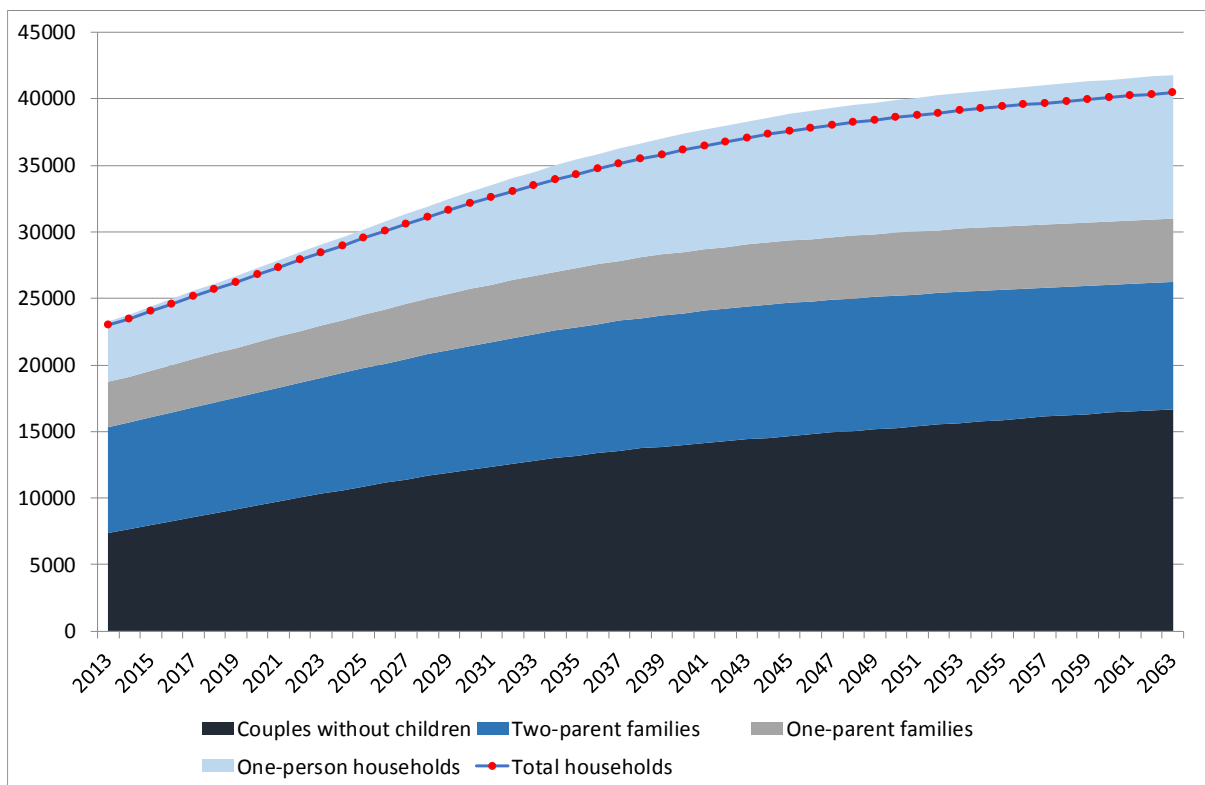
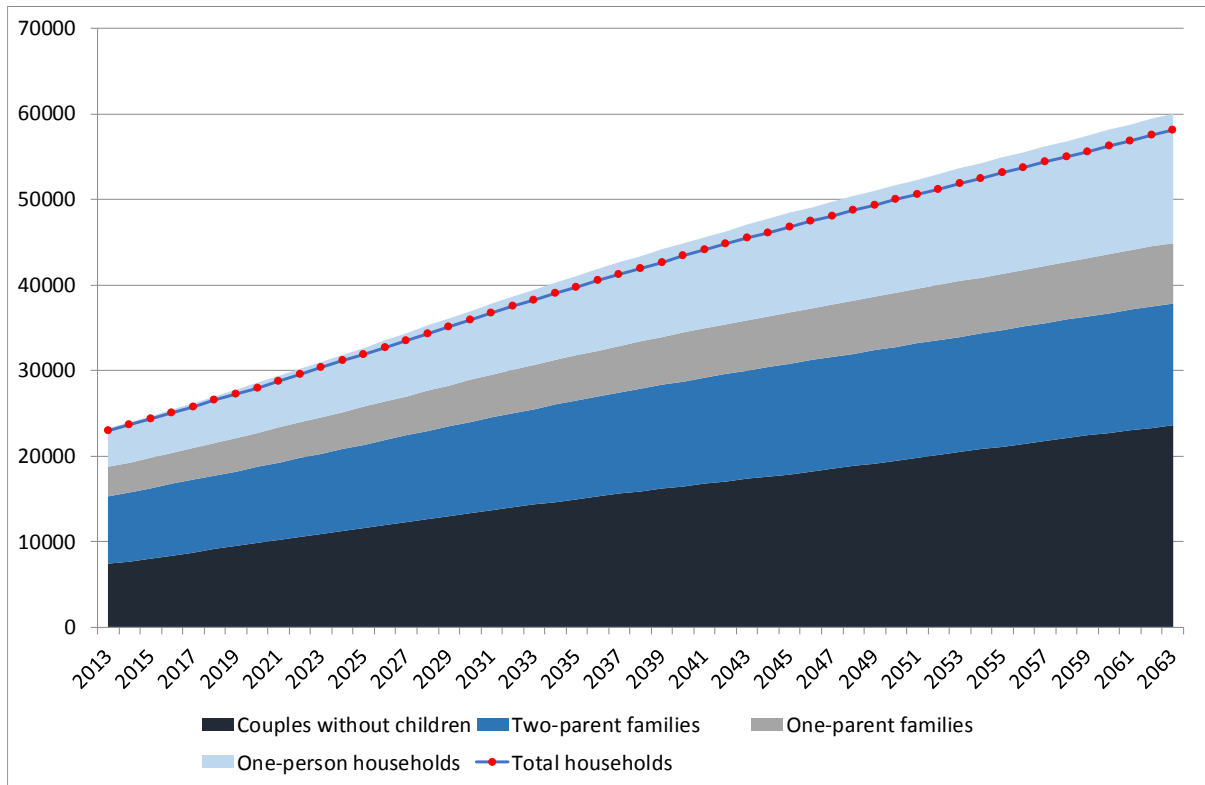
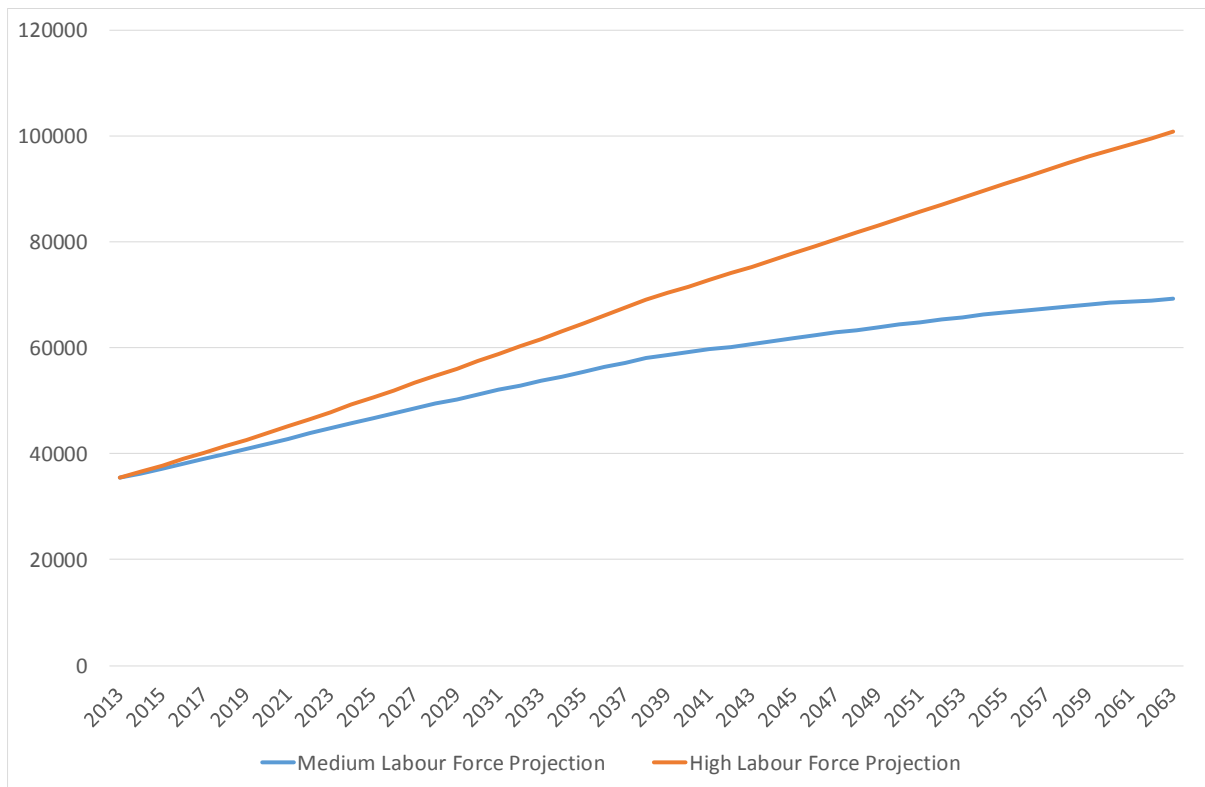


Figure 20: High-variant family and household projections for Waikato District, 2013-2063



The labour force projections for Waikato District are shown in Figure 21. The estimated labour force in June 2013 is 35,453. In the medium-variant projection, the labour force grows over the entire projection period, to 69,257 in 2063. In the low-variant projection, the labour force grows to a peak of 57,466 in 2060 before declining to 57,382 in 2063. In the high-variant projection, the labour force grows over the entire projection period, to 83,570 in 2063.

Figure 21: Labour force projections for Waikato District, 2013-2063



3.4 Population, Family and Household, and Labour Force Projections for Matamata-Piako District

Figure 22 presents the 2013-base population projections for Matamata-Piako District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Matamata-Piako District is 32,910. Under the medium-variant population projection scenario, the population increases over the entire projection period, with a projected population in 2063 of 38,978. The medium-variant projection appears to reasonably closely follow the recent trend in the Matamata-Piako District population, with annualised population growth over the period 2013-2031 of 0.61% per year, similar to the 0.49% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population increases to a peak of 35,509 in 2039 before declining to 33,942 in 2063. Under the high-variant scenario, the population increases over the entire period to a population of 44,771 in 2063. In comparison, the SNZ 2013-base medium-variant projection

is similar to the medium-variant projection presented here up to about 2021 before falling away to below the low-variant projection, with the SNZ high-variant similar to the Waikato 2016 high-variant scenario to 2021, before falling away to midway between the high-variant and medium-variant projections. The SNZ population estimates for 2013-2015 are slightly above the Waikato 2016 high-variant scenario.

Figure 22: Population projections for Matamata-Piako District, 2013-2063

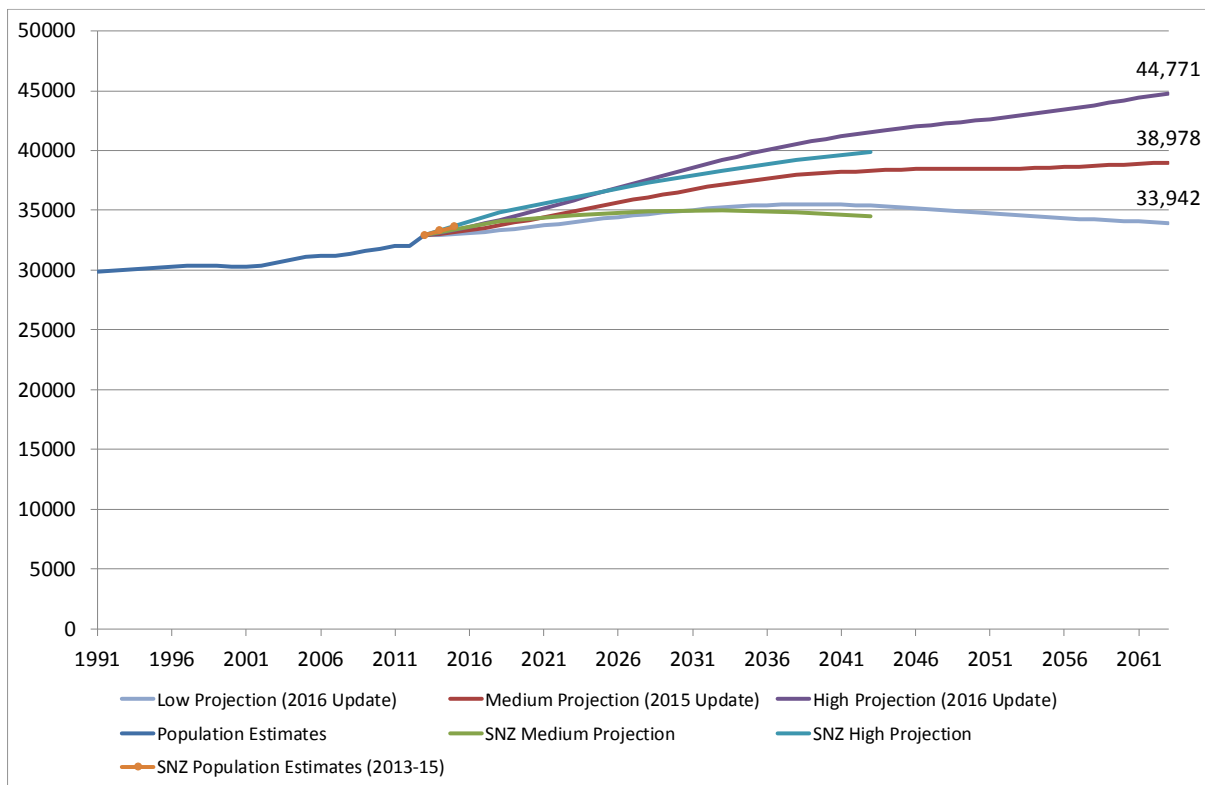
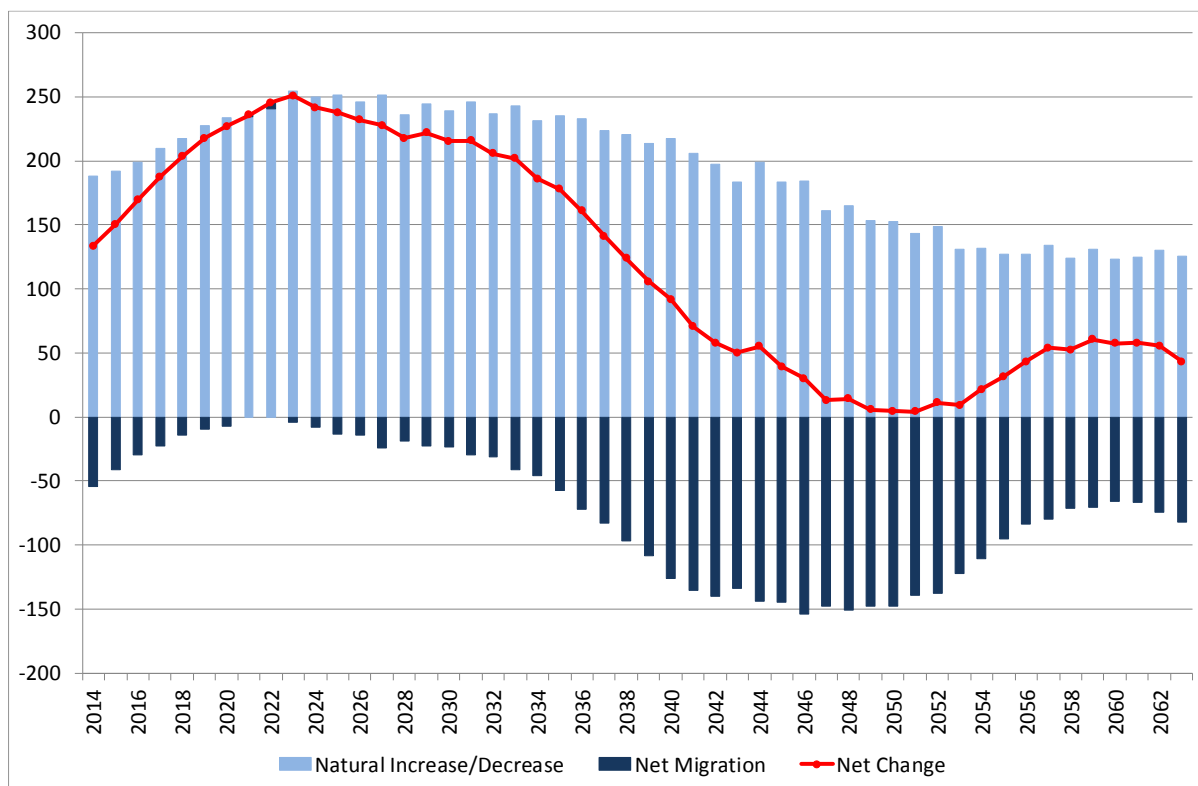


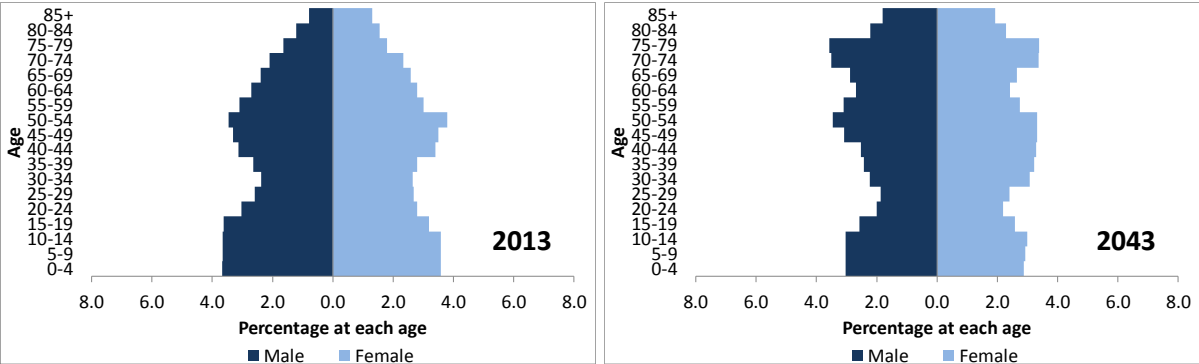
Figure 23 disaggregates the components of population change for Matamata-Piako District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is positive over the entire projection period. This is made up of net outward migration (more out-migration than in-migration) except for the 2021-22 period, but offset by substantial natural increase (more births than deaths) over the entire period. Net outmigration peaks at a loss of 154 people in 2046 then starts to decline. Natural increase remains throughout the projection period but decreases in absolute terms from a net gain of around 200 people per year over the period 2013-2018 to a net gain of around 125 people per year over the period 2058-2063.

Figure 23: Projected components of population change for Matamata-Piako District, medium-variant projection, 2014-2063



The age structure of Matamata-Piako District is moderately old compared with other TAs in the Waikato and the district experiences only moderate population ageing, as shown in Figure 24. In 2013, 17.7 percent of the population are aged 65 years and over, and this is projected to increase to 27.6 percent by 2043. This lesser degree of ageing keeps natural increase positive throughout the projections as shown in the previous figure. As the population ages though, net out-migration starts to decrease as older people tend not to migrate out of the district in as large a proportion.

Figure 24: Age-sex structure for Matamata-Piako District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Matamata-Piako District is shown in Figure 25. In terms of total households, the projection closely follows the medium-variant population projection, with total number of households increasing over the entire projection period, from 12,695 in 2013 to 16,348 in 2063. The number of two-parent families peaks in 2037 before declining, while the number of one-parent families peaks in 2043 before declining. The number of couples without children increases over the entire projection period, as does the number of one-person households. The low-variant family and household projection (by type) for Matamata-Piako District is shown in Figure 26. In terms of total households, the projection closely follows the low-variant population projection, with the total number of households increasing to a peak of 14,724 in 2043, before declining to 14,355 in 2063. The high-variant family and household projection (by type) for Matamata-Piako District is shown in Figure 27. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing over the entire projection period, to 18,621 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

The labour force projections for Matamata-Piako District are shown in Figure 28. The estimated labour force in June 2013 is 17,303. In the medium-variant projection, the labour force grows to a peak of 22,367 in 2058 before declining to 22,299 in 2063. In the low-variant projection, the labour force grows to a peak of 20,530 in 2038 before declining to 19,497 in 2063. In the high-variant projection, the labour force grows over the entire projection period, to 25,506 in 2063.

Figure 25: Medium-variant family and household projections for Matamata-Piako District, 2013-2063

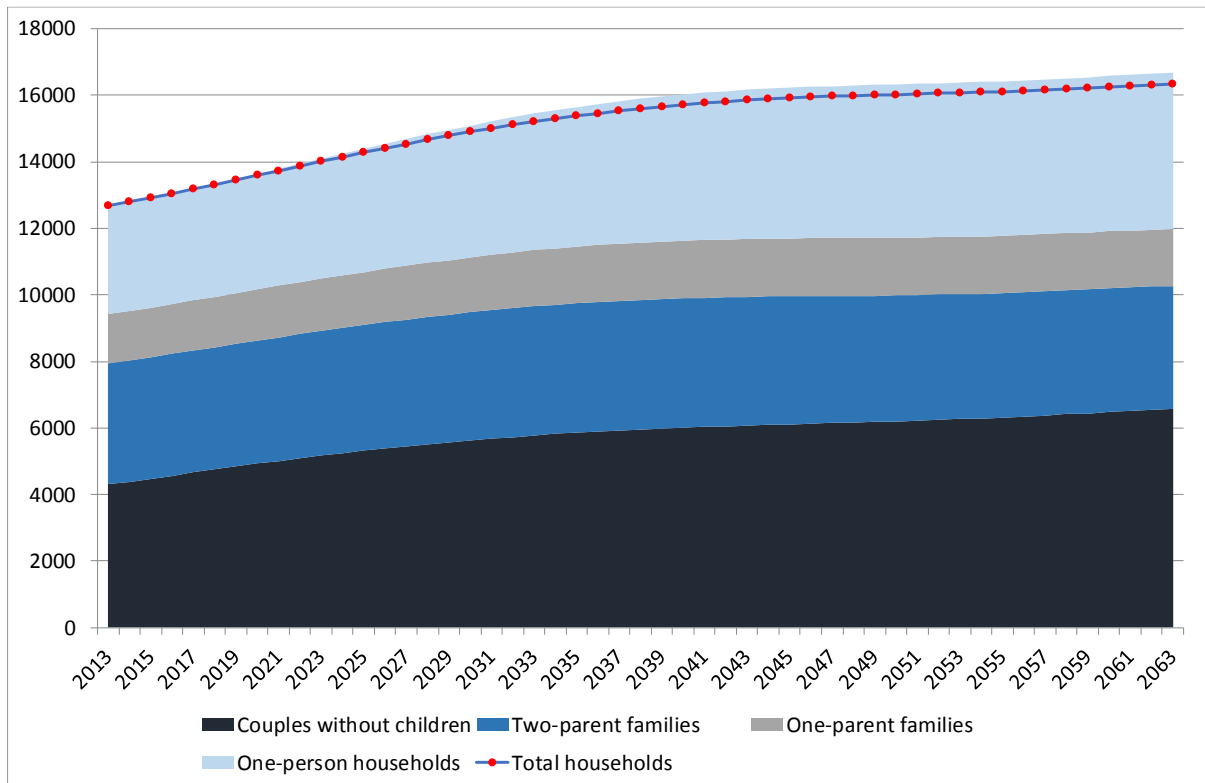


Figure 26: Low-variant family and household projections for Matamata-Piako District, 2013-2063

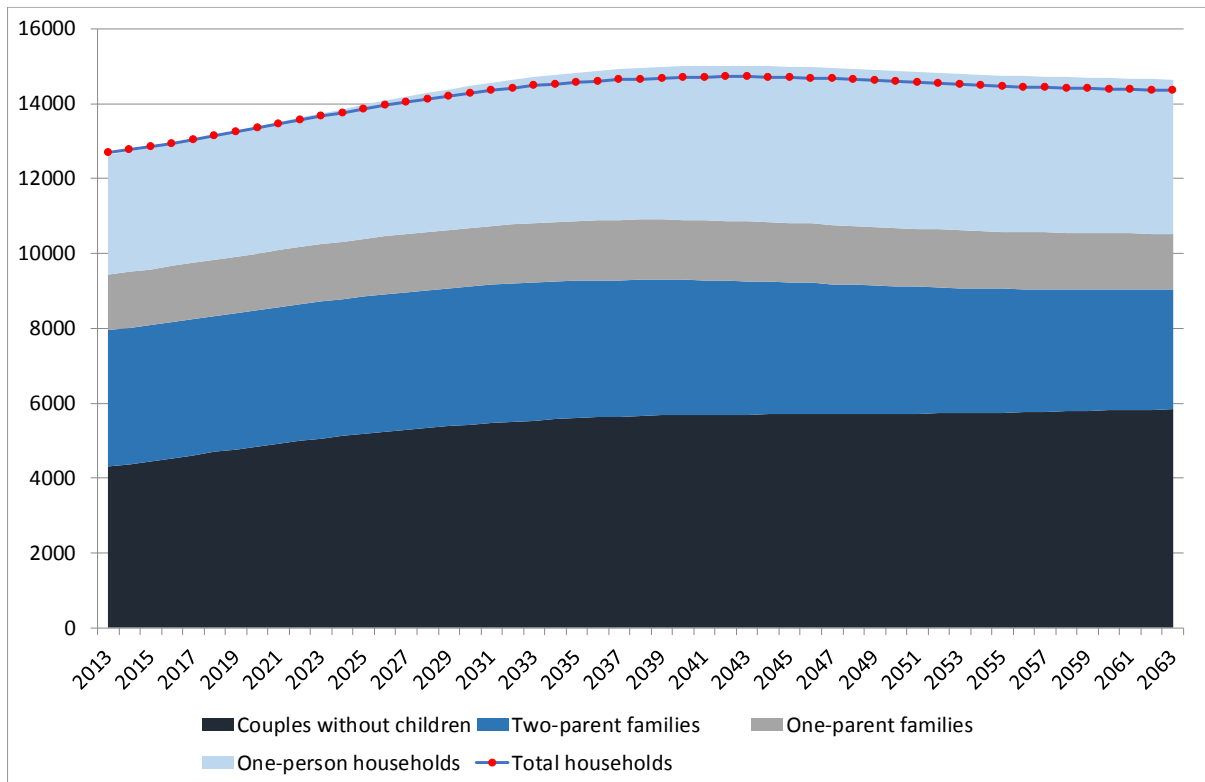


Figure 27: High-variant family and household projections for Matamata-Piako District, 2013-2063

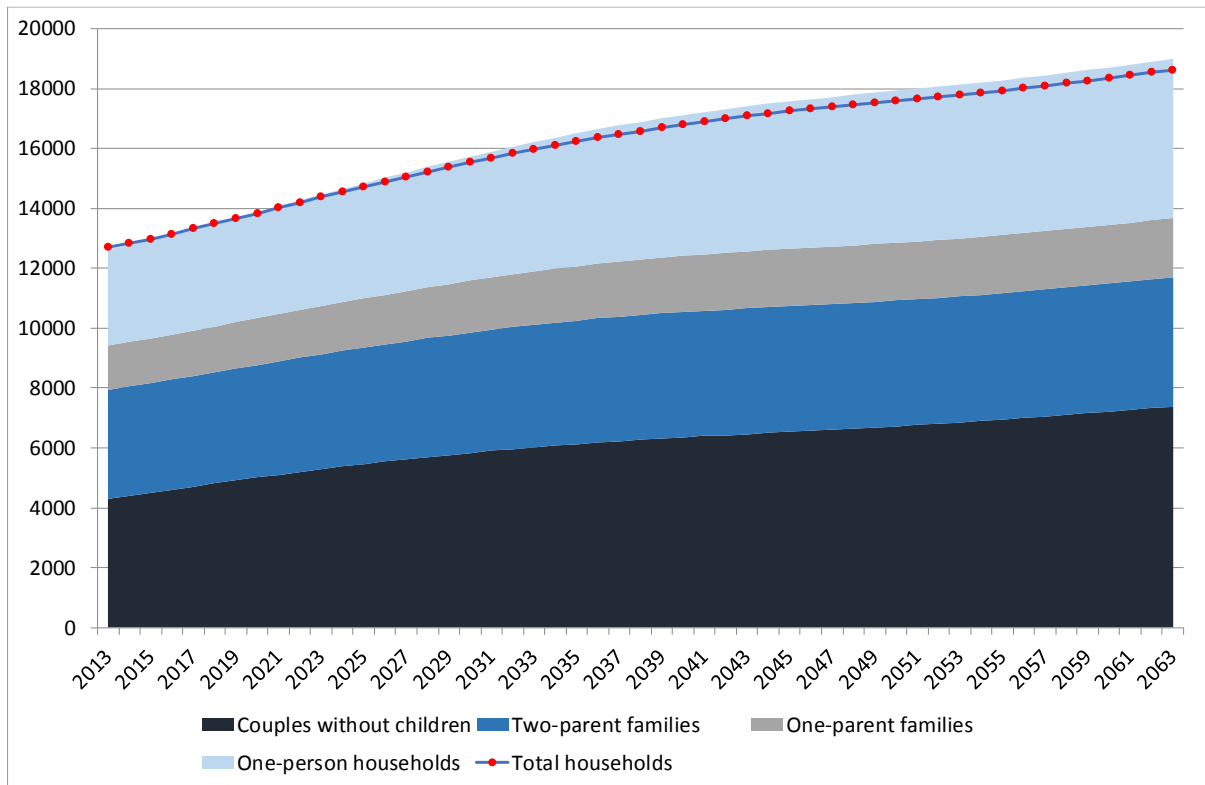
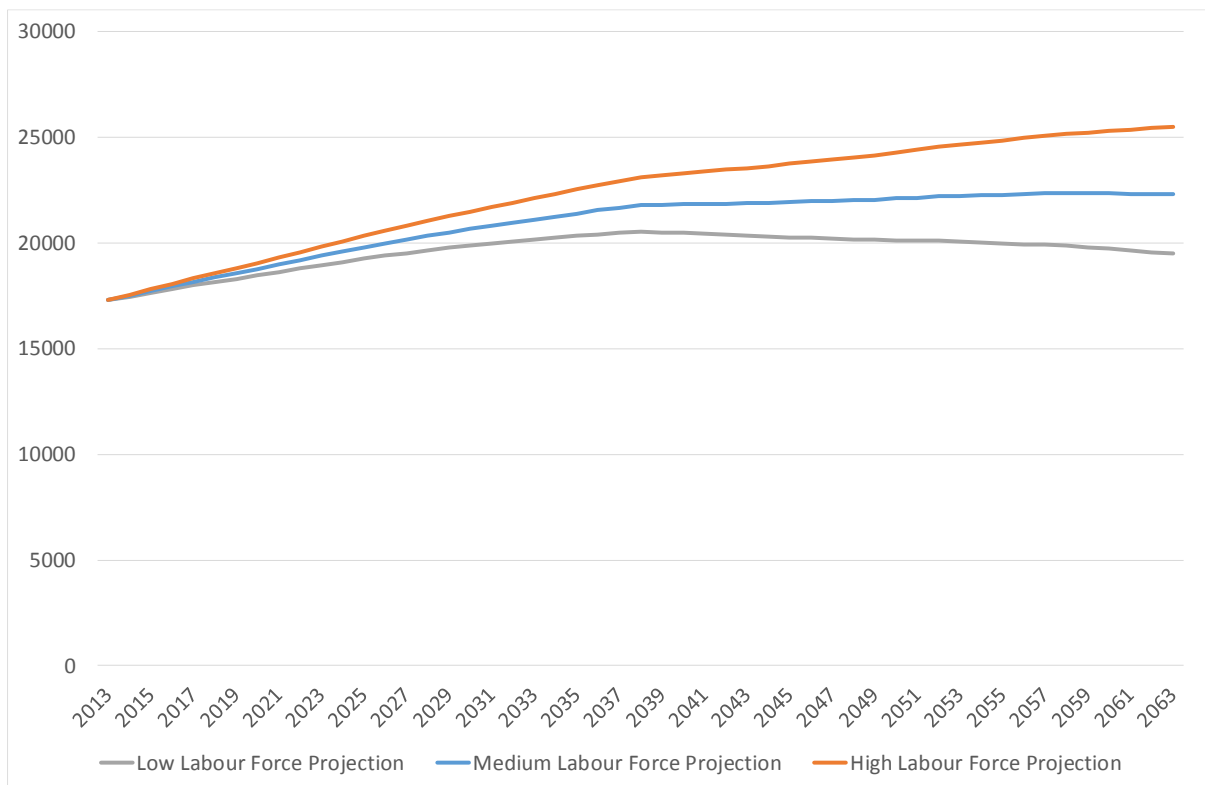


Figure 28: Labour force projections for Matamata-Piako District, 2013-2063



3.5 Population, Family and Household, and Labour Force Projections for Hamilton City

Figure 29 presents the 2013-base population projections for Hamilton City to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Hamilton City is 150,180. Under the medium-variant population projection scenario, the population increases over the entire projection period, with a projected population in 2063 of 262,493. The medium-variant projection appears to reasonably closely follow the recent trend in the Hamilton City population, with annualised population growth over the period 2013-2031 of 1.59% per year, similar to the 1.66% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population increases over the entire period to a population of 226,675 in 2063. Under the high-variant scenario, the population increases over the entire period to a population of 304,016 in 2063. In comparison, the SNZ 2013-base medium-variant projection tracks similar to the low-variant projection presented here, with the SNZ high-variant very similar but slightly above the Waikato 2016 medium-variant scenario. The SNZ population estimates for 2013-2015 are slightly above the Waikato 2016 high-variant scenario.

Figure 30 disaggregates the components of population change for Hamilton City over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is positive over the entire projection period. This is made up of substantial net inward migration (more in-migration than out-migration), and natural increase (more births than deaths). Net migration peaks in 2028 then starts to decline, but remains positive throughout the projection period. Natural increase peaks in 2019 then also starts to decline, falling much more substantially than net migration and almost falling to zero by the end of the projection period.

Figure 29: Population projections for Hamilton City, 2013-2063

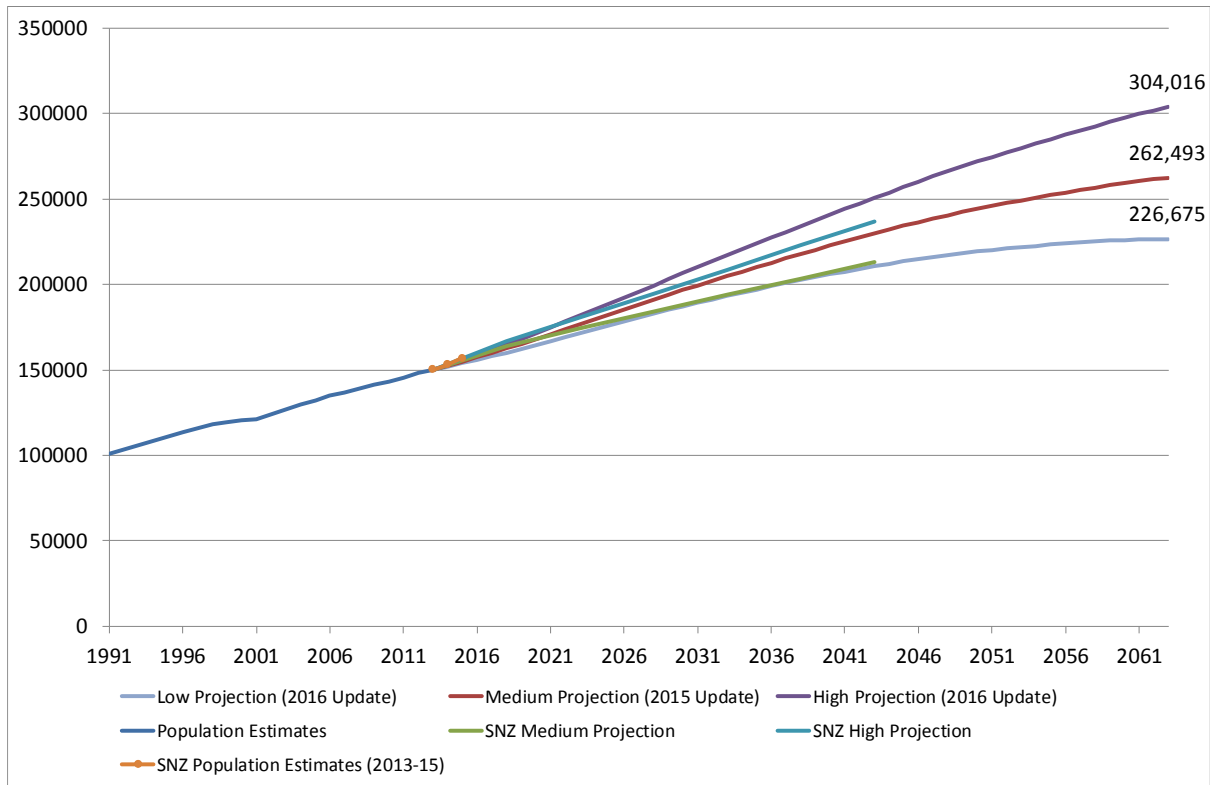
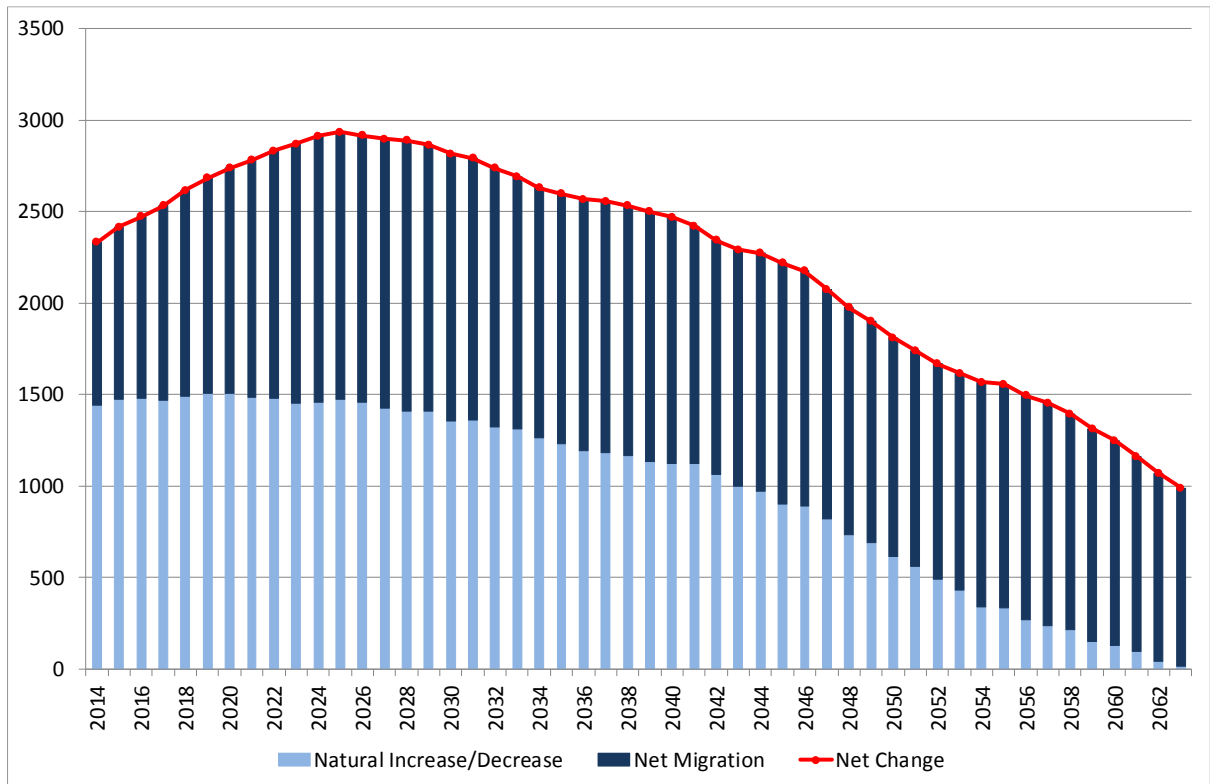
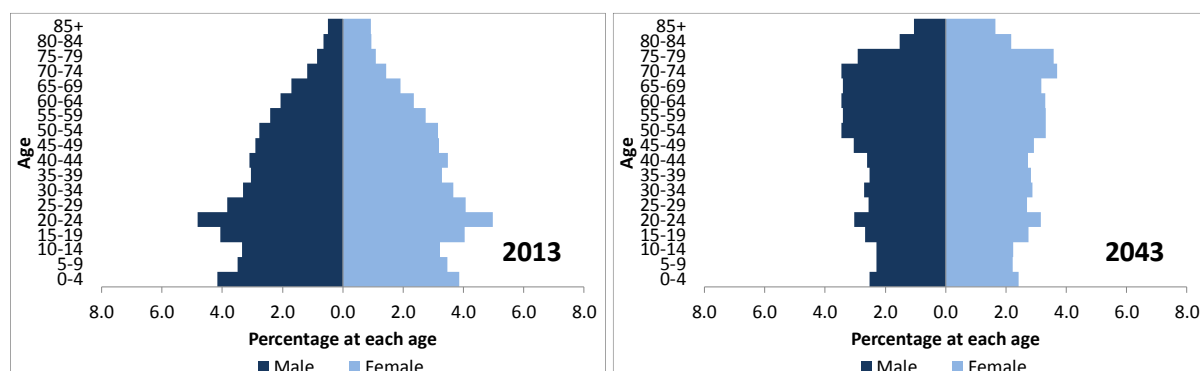


Figure 30: Projected components of population change for Hamilton City, medium-variant projection, 2014-2063



The age structure of Hamilton City is among the youngest in the region in 2013, as shown in Figure 31. In 2013, 11.2 percent of the population are aged 65 years and over, and this is projected to increase to 26.6 percent by 2043. Thus, Hamilton City is projected to age at a faster rate than many of the other TAs in the Waikato Region, considering its initially youthful age profile. This explains the shift from natural increase to natural decrease shown in the previous figure.

Figure 31: Age-sex structure for Hamilton City, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Hamilton City is shown in Figure 32. In terms of total households, the projection closely follows the medium-variant population projection, with total number of households increasing over the entire projection period, from 52,385 in 2013 to 111,251 in 2063. All household and family types increase in number over the entire projection period. The low-variant family and household projection (by type) for Hamilton City is shown in Figure 33. In terms of total households, the projection closely follows the low-variant population projection, with the total number of households increasing over the entire projection period, to 96,633 in 2063. The high-variant family and household projection (by type) for Hamilton City is shown in Figure 34. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing over the entire projection period, to 128,108 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

Figure 32: Medium-variant family and household projections for Hamilton City, 2013-2063

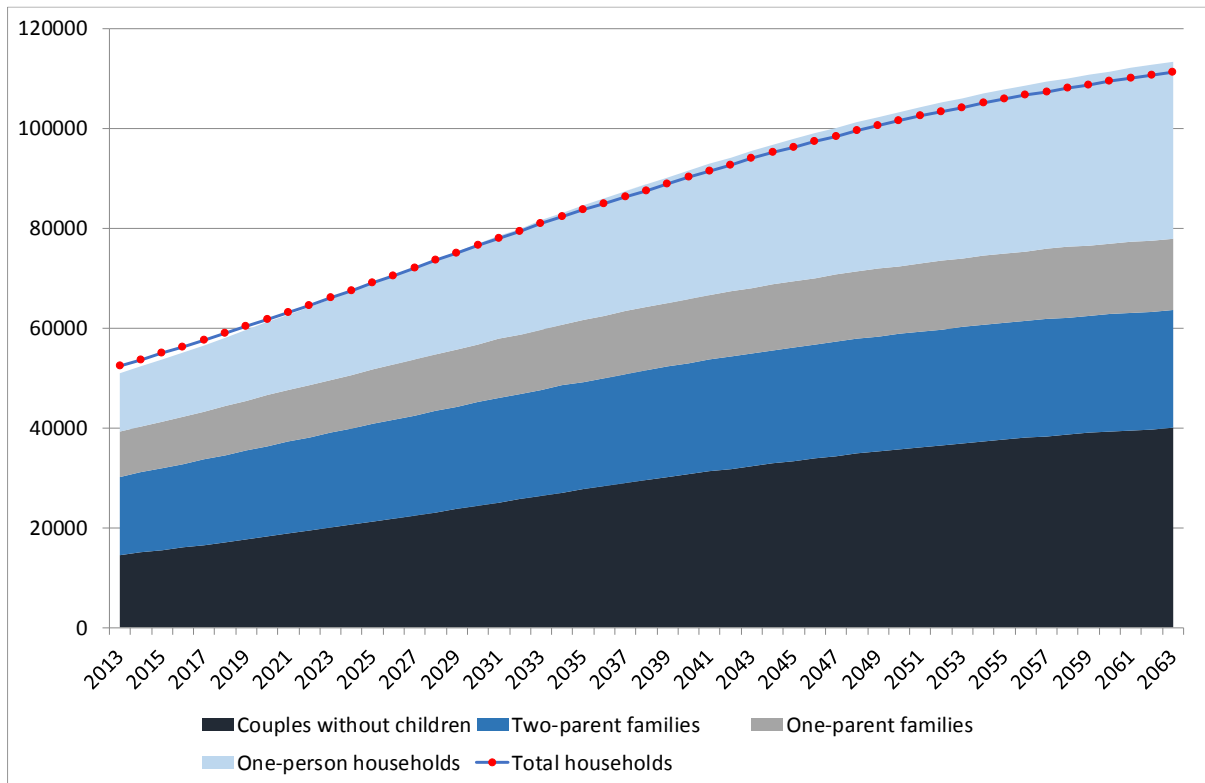


Figure 33: Low-variant family and household projections for Hamilton City, 2013-2063

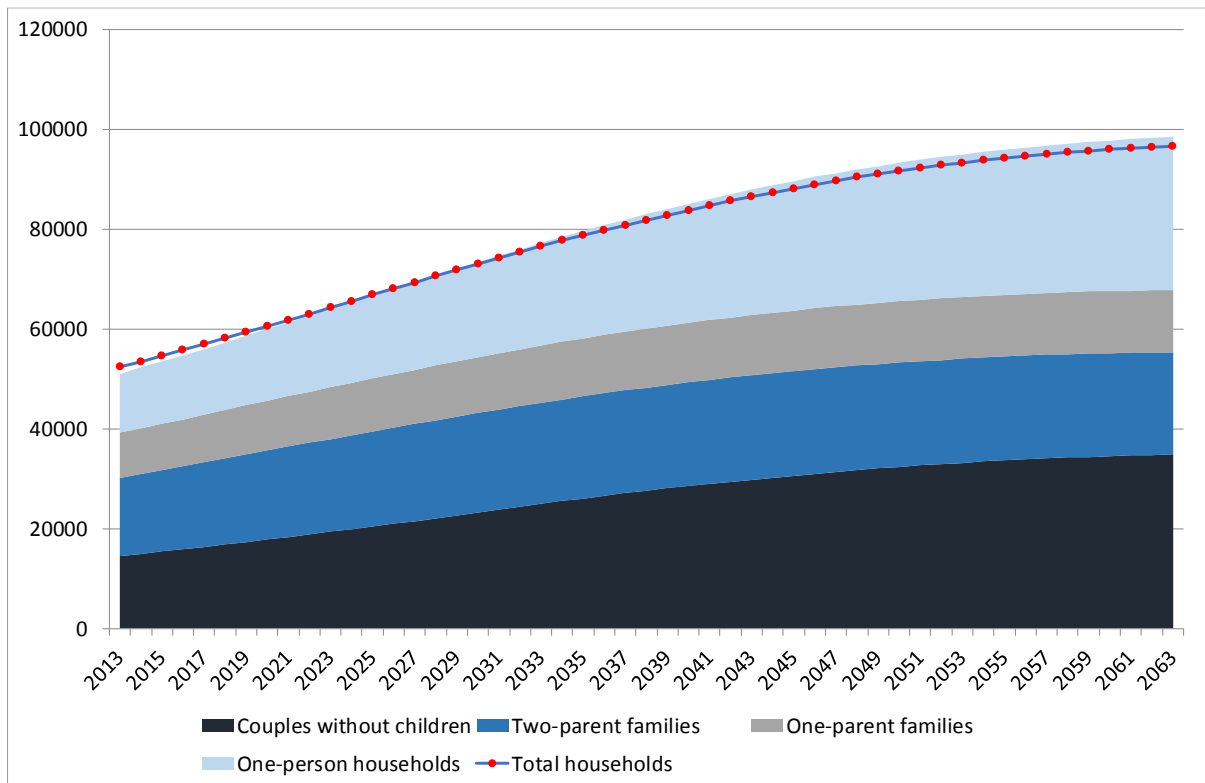
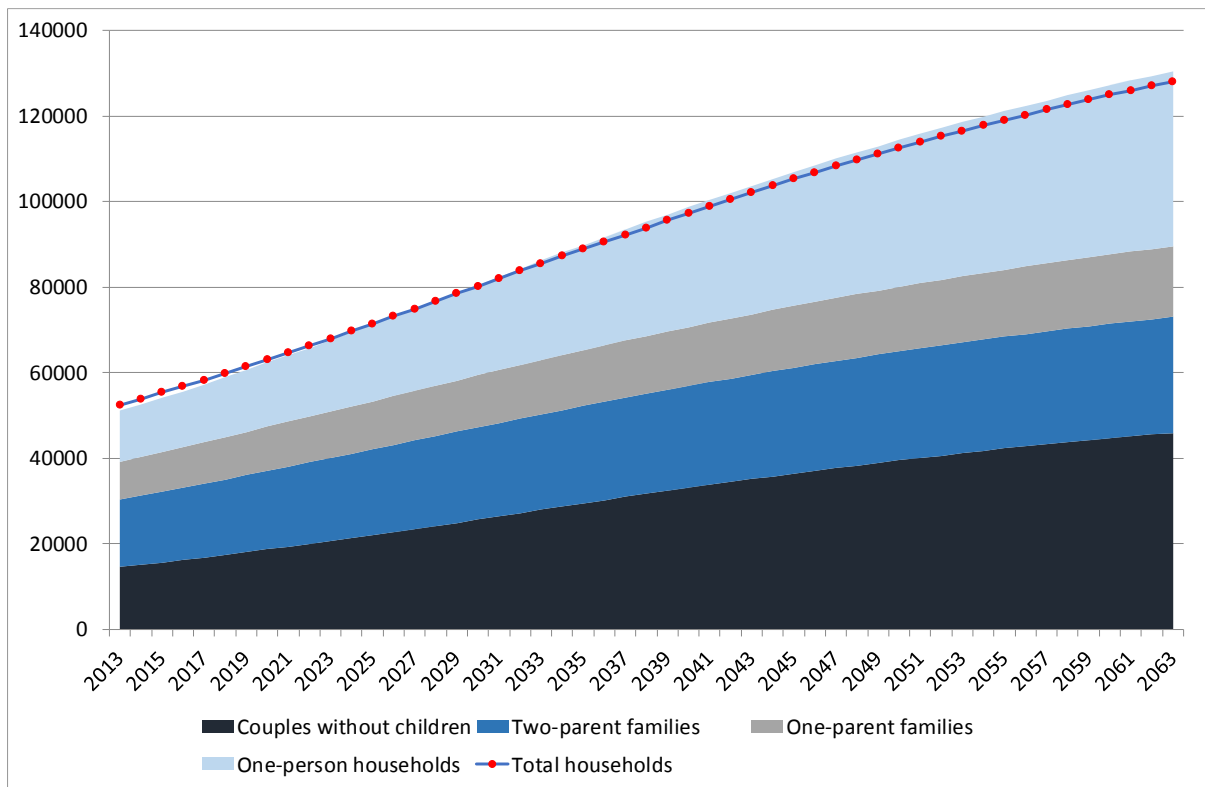
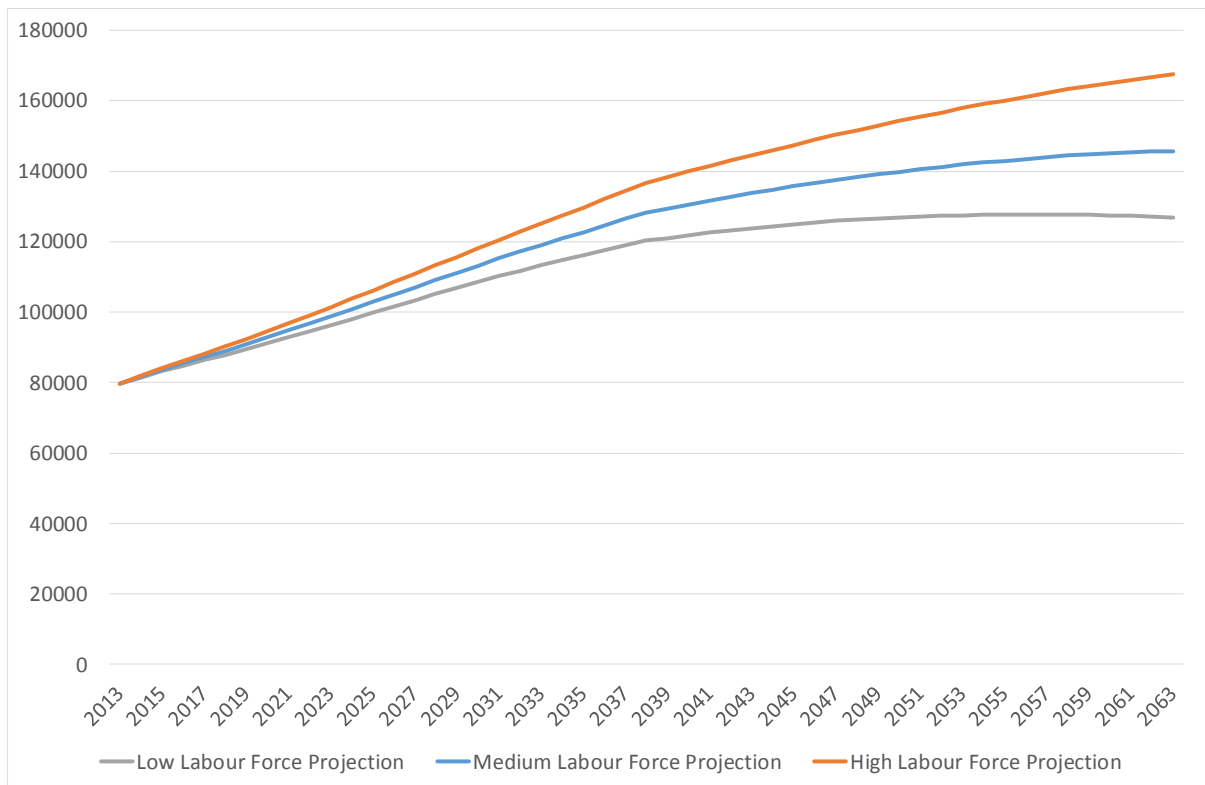


Figure 34: High-variant family and household projections for Hamilton City, 2013-2063



The labour force projections for Hamilton City are shown in Figure 35. The estimated labour force in June 2013 is 79,632. In the medium-variant projection, the labour force grows over the entire projection period, to 145,759 in 2063. In the low-variant projection, the labour force grows to a peak of 127,771 in 2057 before declining to 126,862 in 2063. In the high-variant projection, the labour force grows over the entire projection period, to 167,453 in 2063.

Figure 35: Labour force projections for Hamilton City, 2013-2063



3.6 Population, Family and Household, and Labour Force Projections for Waipa District

Figure 36 presents the 2013-base population projections for Waipa District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Waipa District is 48,660. Under the medium-variant population projection scenario, the population increases over the entire projection period, with a projected population in 2063 of 75,161. The medium-variant projection appears to reasonably closely follow the recent trend in the Waipa District population, with annualised population growth over the period 2013-2031 of 1.55% per year, similar to the 1.41% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population increases to a peak of 64,745 in 2046 before declining to 62,642 in 2063. Under the high-variant scenario, the population increases over the entire period to a population of 90,159 in 2063. In comparison, the SNZ 2013-base medium-variant projection tracks below the low-variant projection presented here over the entire projection period, with

the SNZ high-variant similar to the medium-variant scenario to 2021, before falling away to be more similar to the low-variant scenario. The SNZ population estimates for 2013-2015 are very similar to the high-variant scenario.

Figure 36: Population projections for Waipa District, 2013-2063

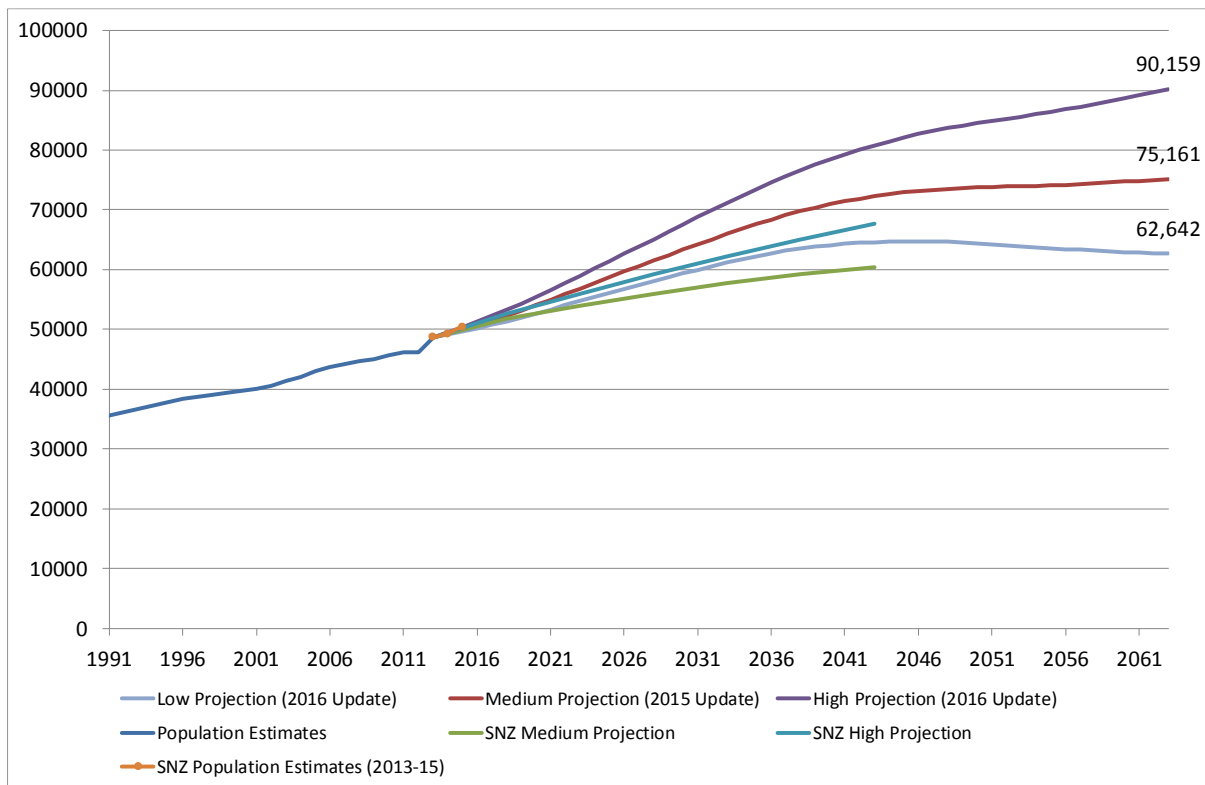
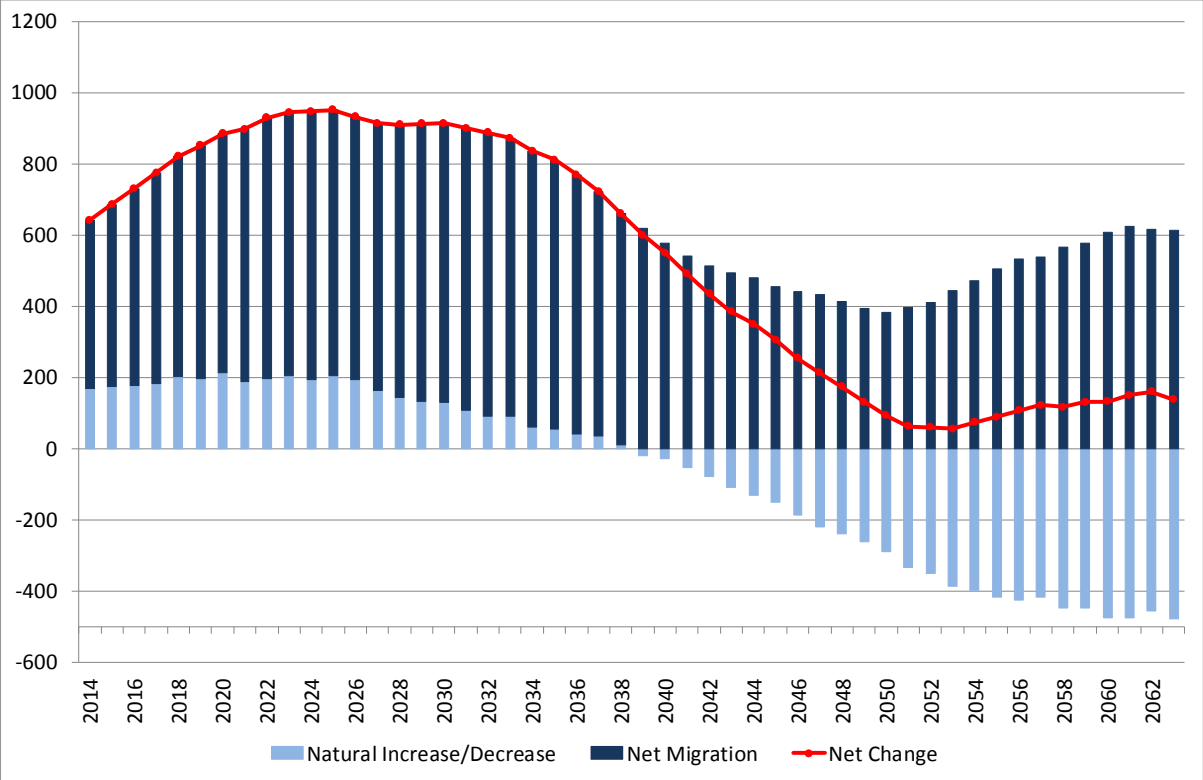


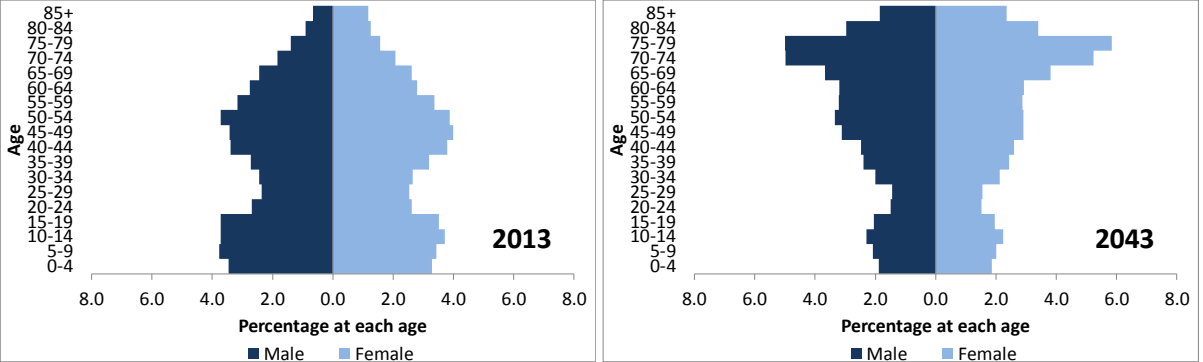
Figure 37 disaggregates the components of population change for Waipa District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is positive over the entire projection period. Net inward migration (more in-migration than out-migration) remains positive over the entire projection period, with some fluctuations. Natural increase declines throughout the projection period and becomes natural decrease (more deaths than births) in 2039 then increasing to a net loss of around 470 people per year over the period 2058-2063.

Figure 37: Projected components of population change for Waipa District, medium-variant projection, 2014-2063



The age structure of Waipa District is moderately old compared with other TAs in the Waikato but ages rapidly, as shown in Figure 38. In 2013, 15.9 percent of the population are aged 65 years and over, and this is projected to increase to 39.1 percent by 2043. This is one of the fastest rates of ageing in the region, and explains the shift from natural increase to natural decrease shown in the previous figure.

Figure 38: Age-sex structure for Waipa District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Waipa District is shown in Figure 39. In terms of total households, the projection closely follows the medium-variant population projection, with total number of households increasing over the entire projection period, from 18,167 in 2013 to 33,642 in 2063. The number of two-parent families peaks in 2043 before declining, while the number of one-parent families peaks in 2050 before declining. The number of couples without children increases over the entire projection period, as does the number of one-person households. The low-variant family and household projection (by type) for Waipa District is shown in Figure 40. In terms of total households, the projection closely follows the low-variant population projection, with the total number of households increasing to a peak of 28,446 in 2048, before declining to 28,064 in 2063. The high-variant family and household projection (by type) for Waipa District is shown in Figure 41. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing over the entire projection period, to 40,323 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

Figure 39: Medium-variant family and household projections for Waipa District, 2013-2063

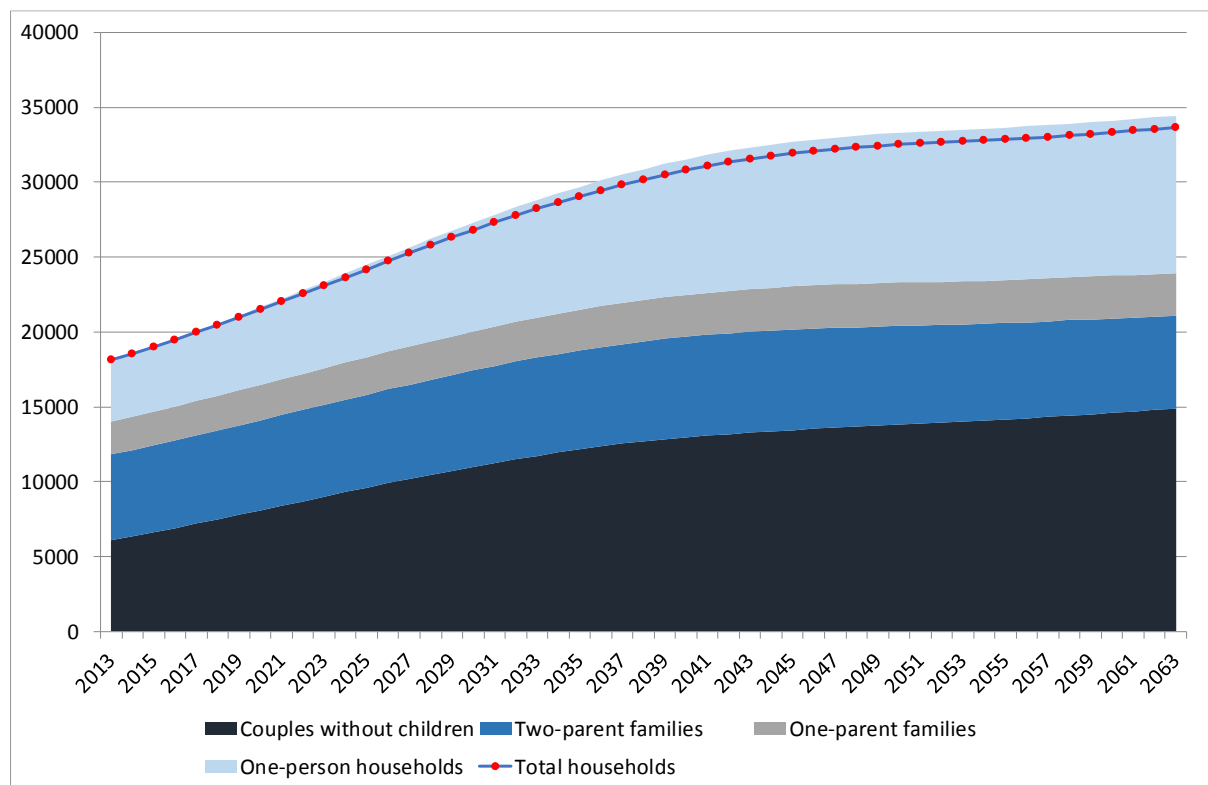


Figure 40: Low-variant family and household projections for Waipa District, 2013-2063

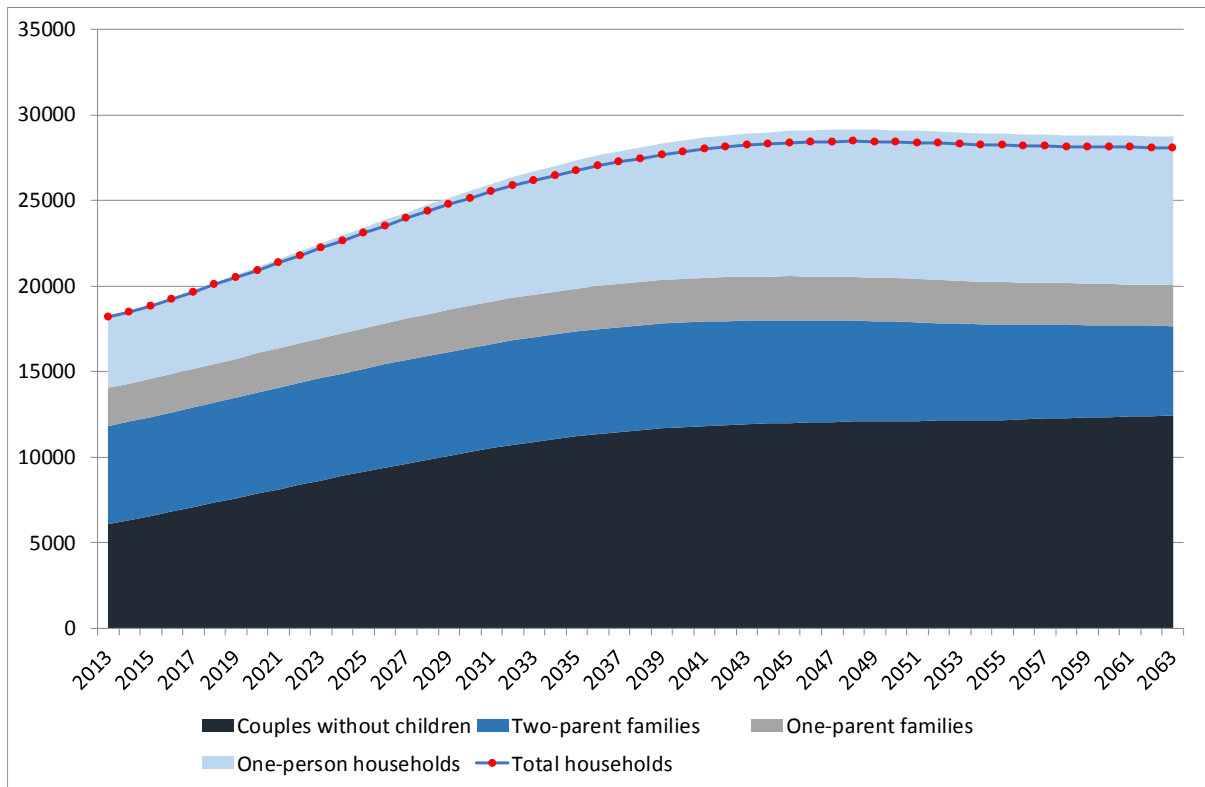
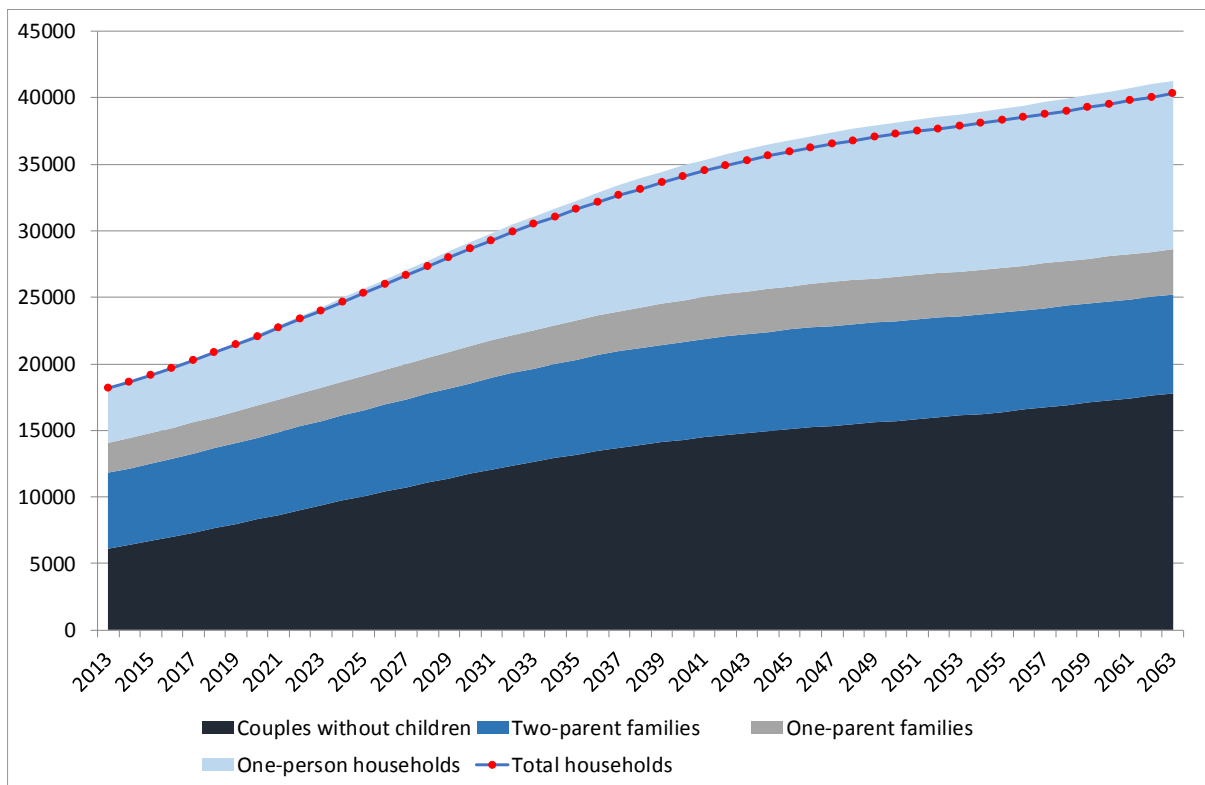
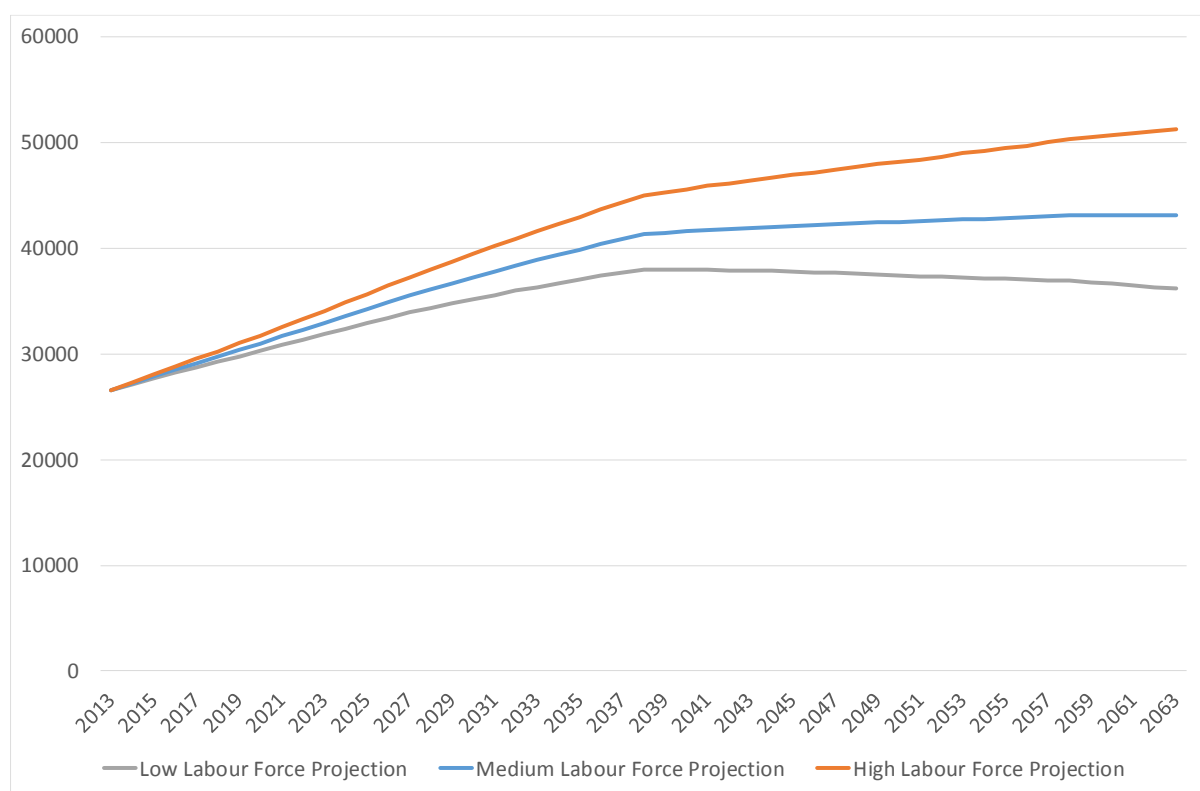


Figure 41: High-variant family and household projections for Waipa District, 2013-2063



The labour force projections for Waipa District are shown in Figure 42. The estimated labour force in June 2013 is 26,599. In the medium-variant projection, the labour force grows over the entire projection period, to 43,126 in 2063. In the low-variant projection, the labour force grows to a peak of 37,976 in 2040 before declining to 36,232 in 2063. In the high-variant projection, the labour force grows over the entire projection period, to 51,306 in 2063.

Figure 42: Labour force projections for Waipa District, 2013-2063



3.7 Population, Family and Household, and Labour Force Projections for Otorohanga District

Figure 43 presents the 2013-base population projections for Otorohanga District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Otorohanga District is 9,610. Under the medium-variant population projection scenario, the population initially decreases to 9,605 in 2014 before increasing to a peak of 10,233 in 2035, then declining to 8,475 in 2063. The medium-variant projection is a reversal of the recent trend in the Otorohanga District population, with annualised population growth over the period 2013-2031 of 0.33% per year, compared with the -0.22% annualised decline experienced over the period 1996-2013. However, the population increased at an annualised growth rate of 0.42% between 2006 and 2013. Under the low-variant scenario, the population mostly decreases over the entire projection period, to 6,874 in 2063. Under the high-variant scenario, the population increases to a peak of 11,299 in 2041 before declining to 10,472 in 2063. In comparison, the SNZ 2013-base medium-variant projection tracks above the high-variant projection presented here until about 2016 before falling away to be more similar to the low-variant scenario, with the SNZ high-variant initially above the Waikato 2016 high-variant scenario to 2020, before falling away to be more similar to the medium-variant scenario. The SNZ population estimates for 2013-2015 are slightly above the high-variant scenario.

Figure 43: Population projections for Otorohanga District, 2013-2063

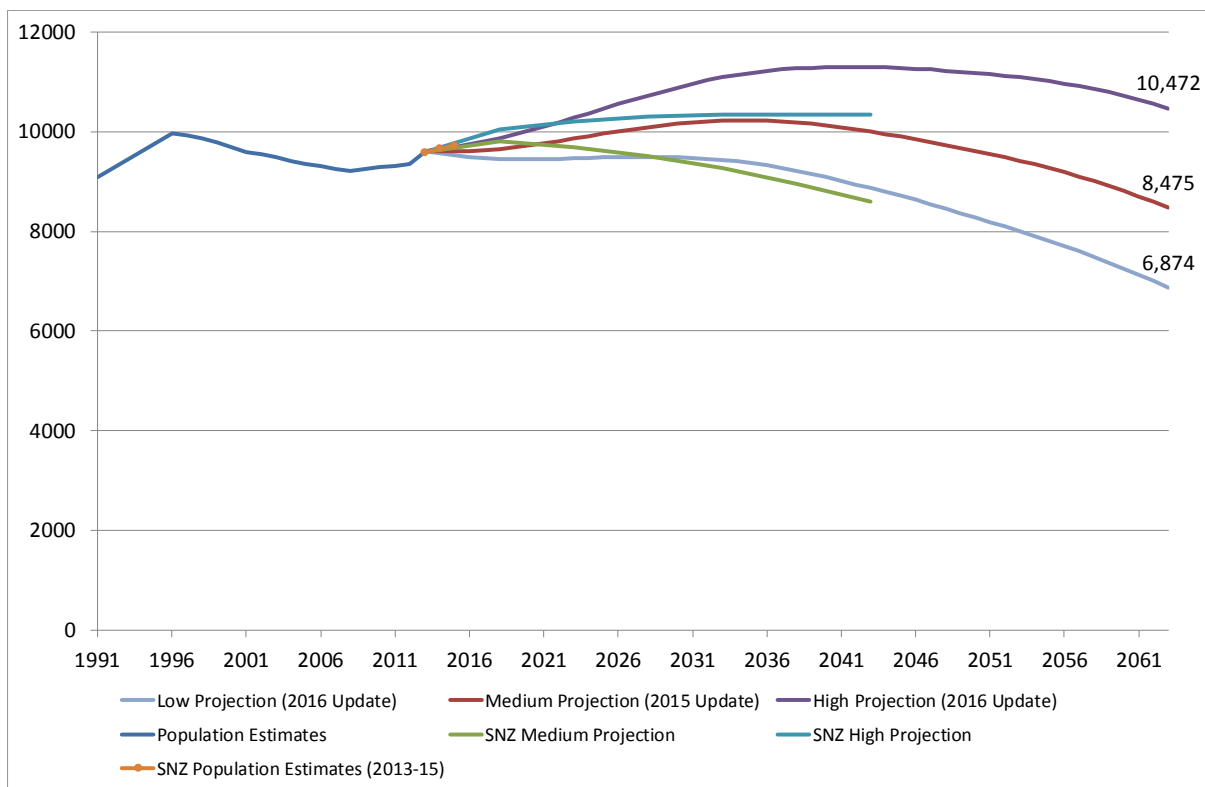
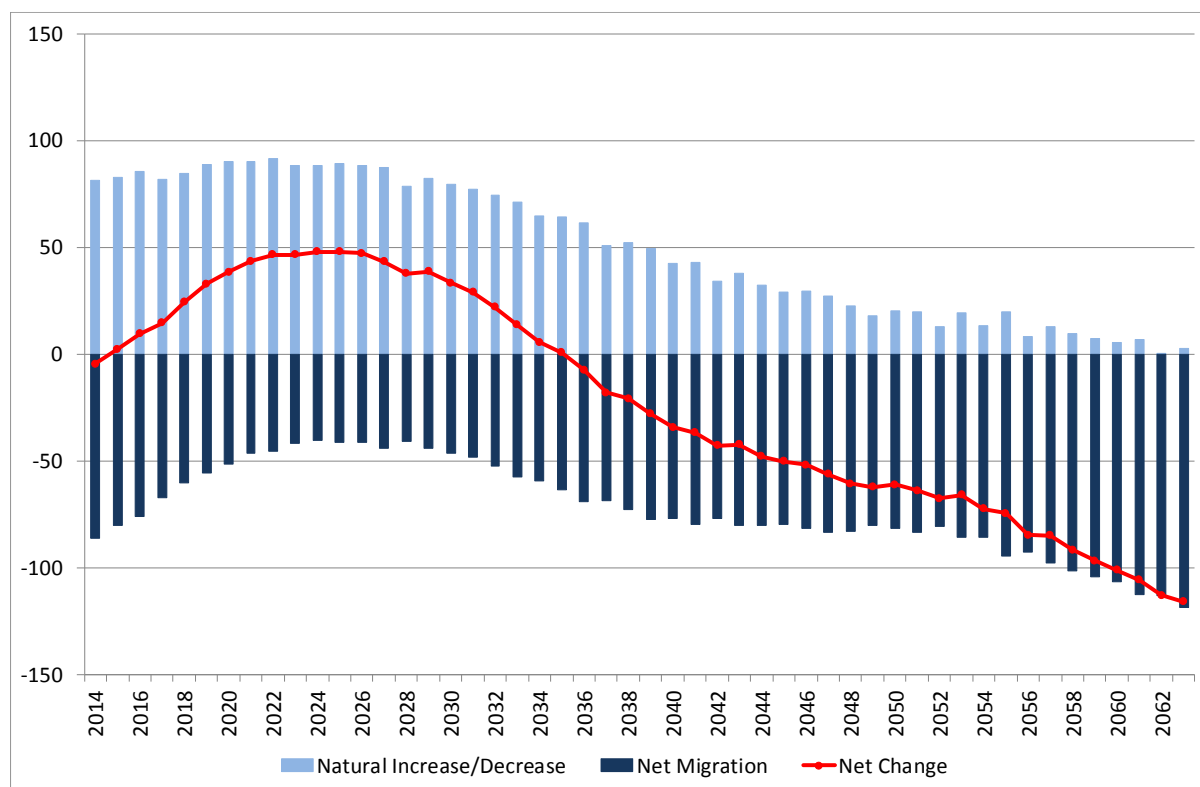


Figure 44 disaggregates the components of population change for Otorohanga District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario starts negative, then becomes positive from 2015, before becoming negative again from 2036 until the end of the projection period. The population change is made up of net outward migration (more out-migration than in-migration), offset by natural increase (more births than deaths). Net migration fluctuates across the projection period, while natural increase declines throughout the projection period and falls to almost zero by the end of the projection period.

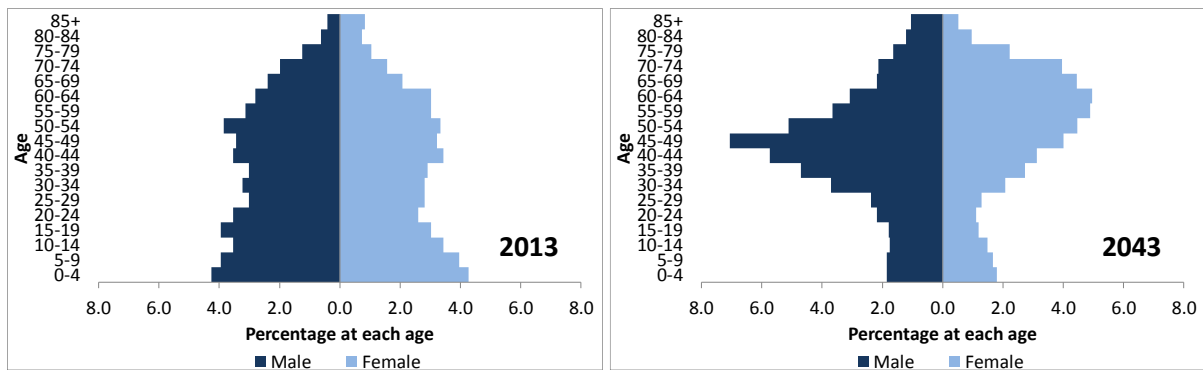
Figure 44: Projected components of population change for Otorohanga District, medium-variant projection, 2014-2063



The age structure of Otorohanga District is amongst the most youthful in the Waikato Region and experiences among the least degree of population ageing, as shown in Figure 45. In 2013, 12.9 percent of the population are aged 65 years and over, and this is projected to increase to just 20.3 percent by 2043. This slower rate of population ageing explains why the district

remains in natural increase throughout almost the entire projection period, as shown in the previous figure.

Figure 45: Age-sex structure for Otorohanga District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Otorohanga District is shown in Figure 46. In terms of total households, the projection closely follows the medium-variant population projection, with the total number of households increasing from 3,221 in 2013 to a peak of 4,176 in 2046, before declining to 3,851 in 2063. All of the family and household types increase in absolute numbers before declining, although one-person households peaks only in 2062. The low-variant family and household projection (by type) for Otorohanga District is shown in Figure 47. In terms of total households, the projection increases relative to the low-variant population projection, with the total number of households increasing to a peak of 3,765 in 2037, before declining to 3,162 in 2063. The high-variant family and household projection (by type) for Otorohanga District is shown in Figure 48. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing to a peak of 4,817 in 2055, before declining to 4,698 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

Figure 46: Medium-variant family and household projections for Otorohanga District, 2013-2063

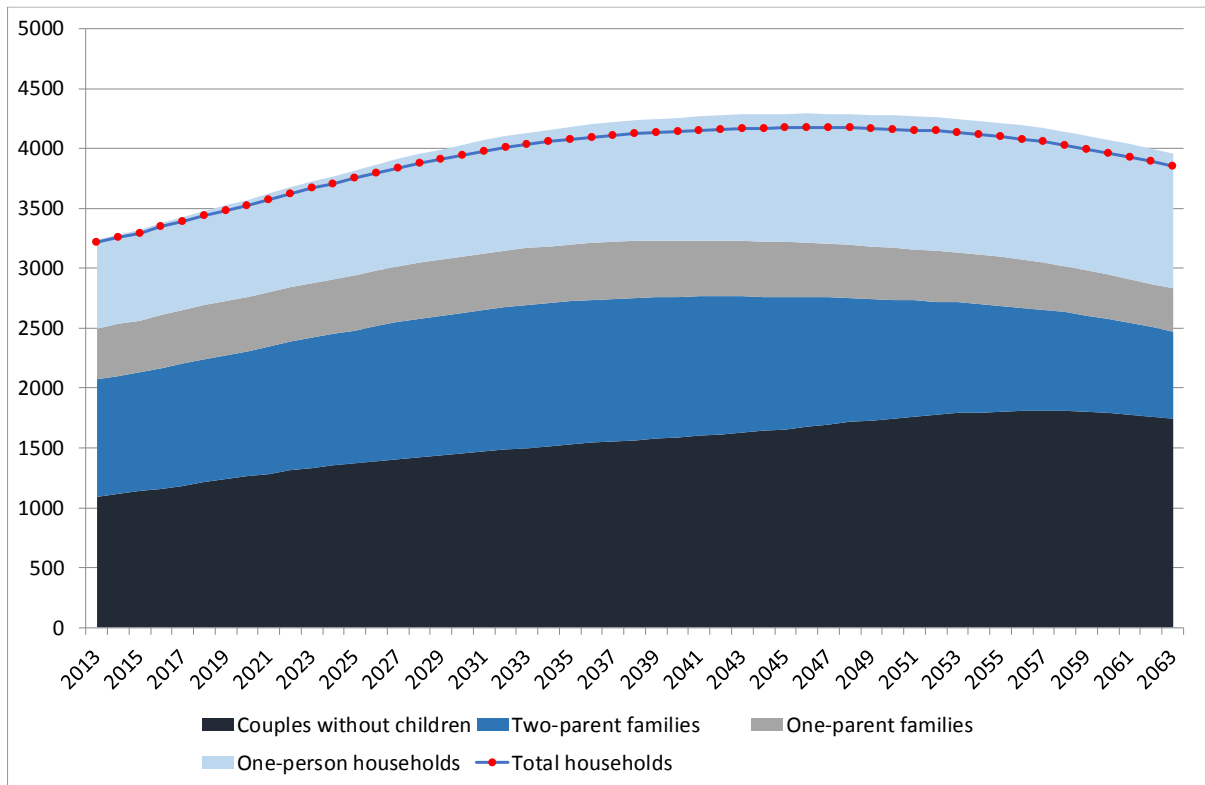


Figure 47: Low-variant family and household projections for Otorohanga District, 2013-2063

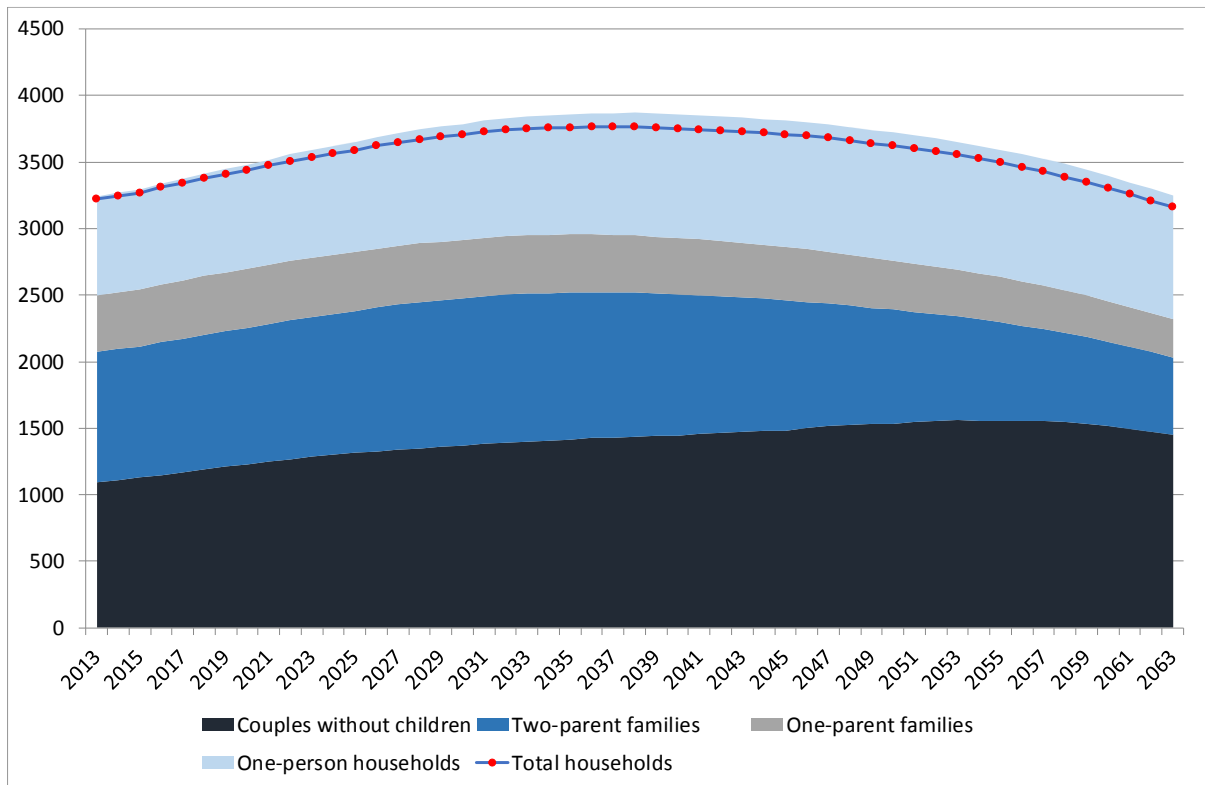
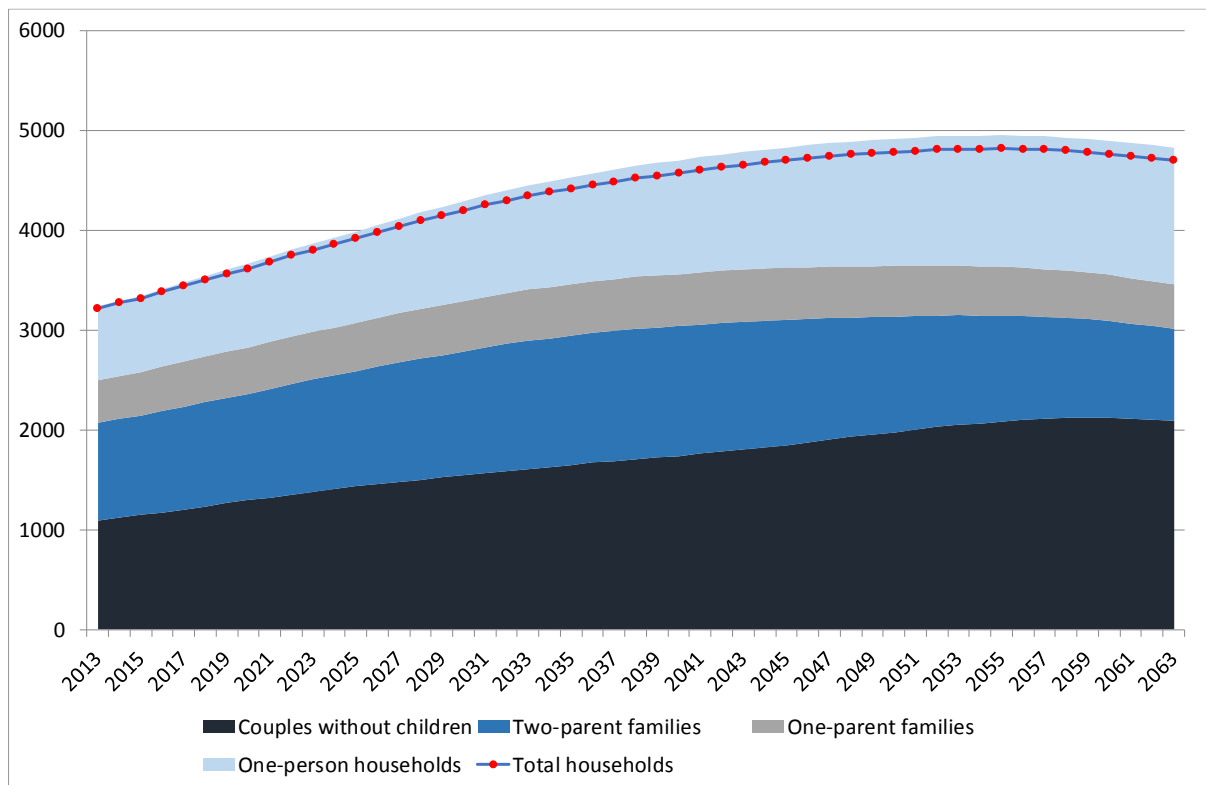
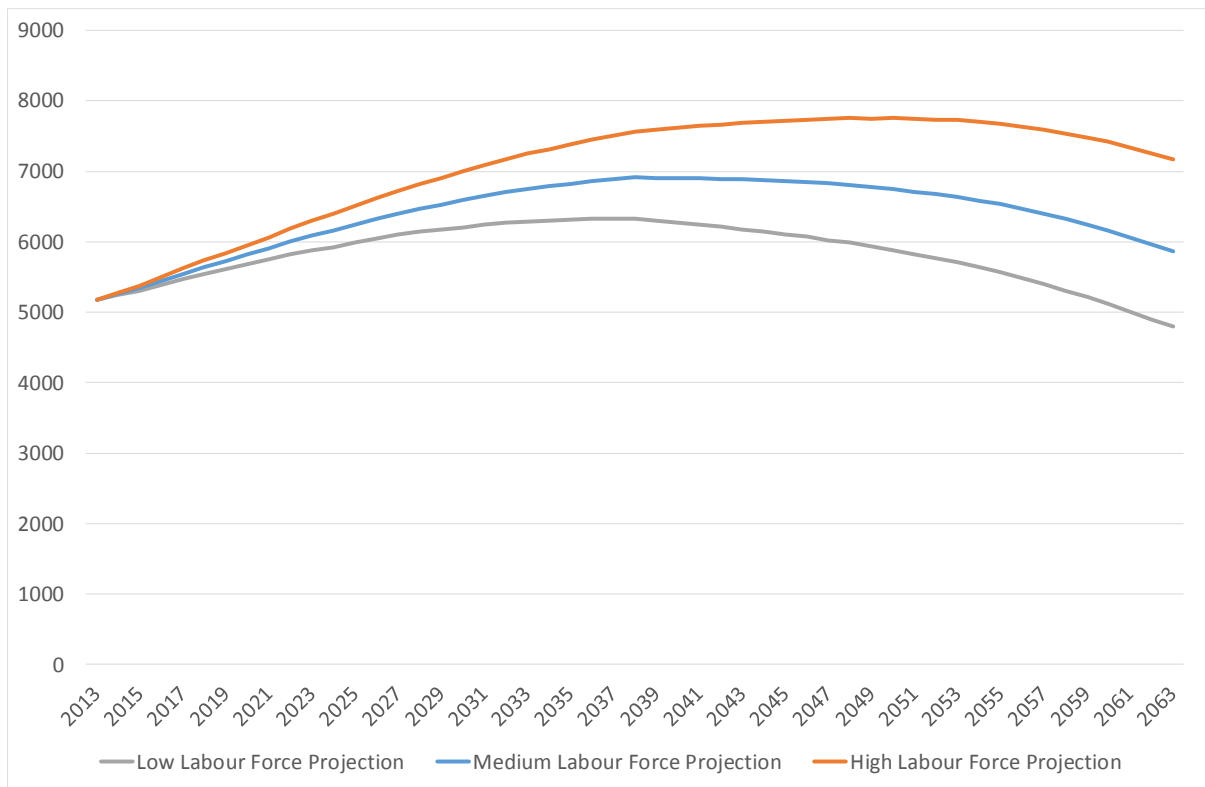


Figure 48: High-variant family and household projections for Otorohanga District, 2013-2063



The labour force projections for Otorohanga District are shown in Figure 49. The estimated labour force in June 2013 is 5,176. In the medium-variant projection, the labour force grows to a peak of 6,919 in 2038 before declining to 5,861 in 2063. In the low-variant projection, the labour force grows to a peak of 6,328 in 2038 before declining to 4,795 in 2063. In the high-variant projection, the labour force grows to a peak of 7,755 in 2048 before declining to 7,173 in 2063.

Figure 49: Labour force projections for Otorohanga District, 2013-2063



3.8 Population, Family and Household, and Labour Force Projections for South Waikato District

Figure 50 presents the 2013-base population projections for South Waikato District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for South Waikato District is 23,190. Under the medium-variant population projection scenario, the population decreases over the entire projection period, to 17,318 in 2063. The medium-variant projection is similar to the recent trend in the South Waikato District population, with annualised population decline over the period 2013-2031 of -0.06% per year, compared with the -0.62% annualised decline experienced over the period 1996-2013. Under the low-variant population projection scenario, the population decreases over the entire projection period, to 14,436 in 2063. Under the high-variant scenario, the population increases to a peak of 24,372 in 2032 before declining to 20,868 in 2063. In comparison, the SNZ 2013-base medium-variant projection tracks similar to the

medium-variant projection presented here until about 2021 before falling away to be more similar to the low-variant projection, with the SNZ high-variant initially very similar to the high-variant scenario. The SNZ population estimates for 2013-2015 fall slightly above the high-variant scenario.

Figure 50: Population projections for South Waikato District, 2013-2063

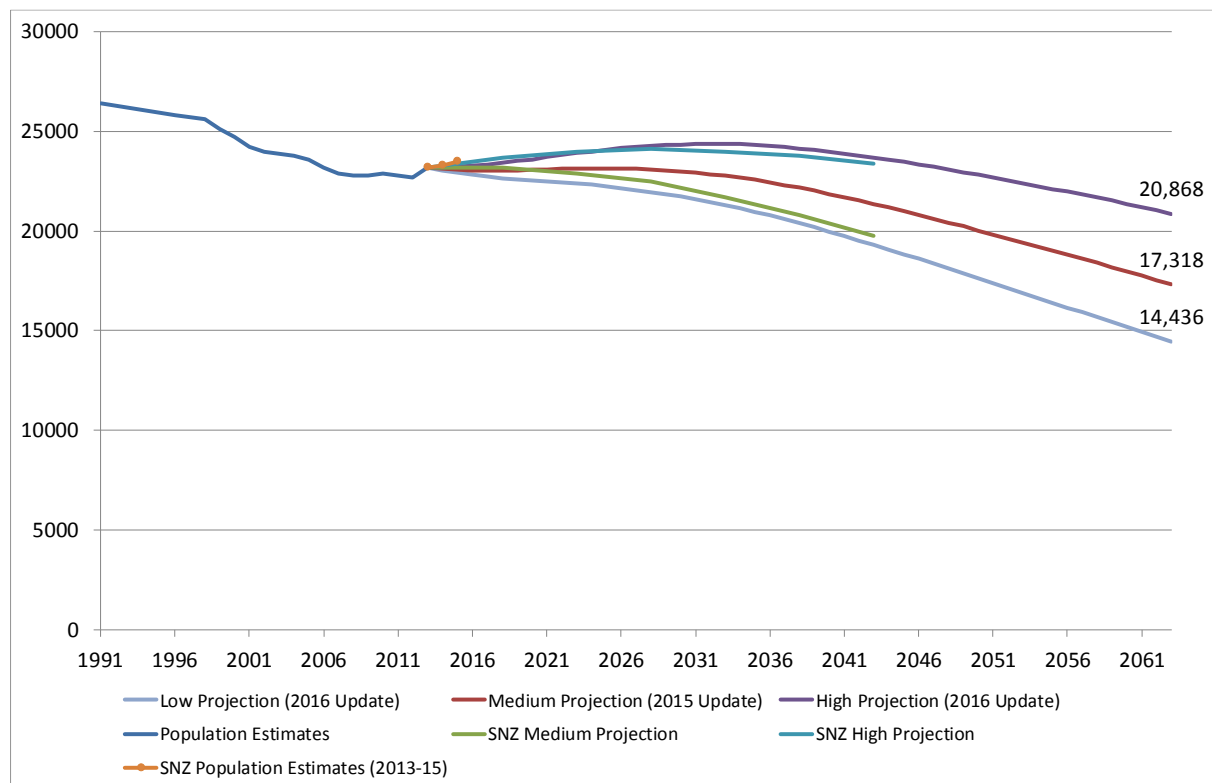
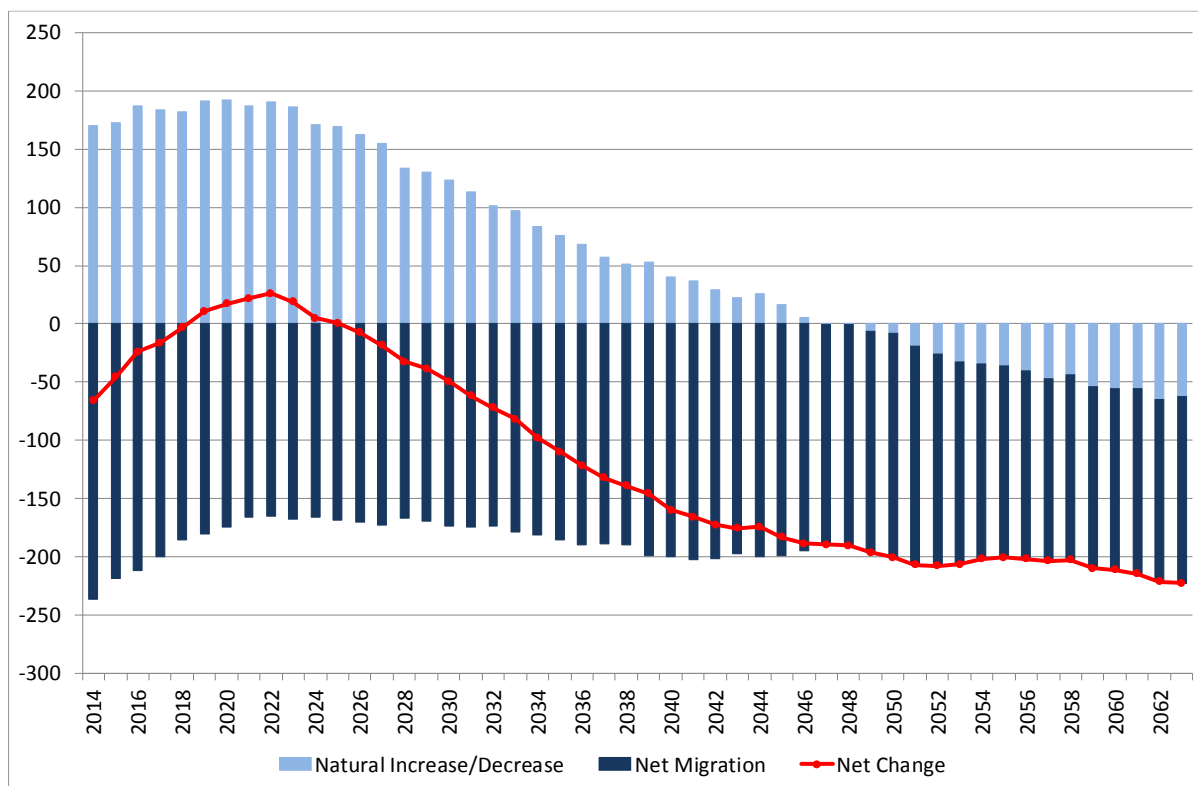


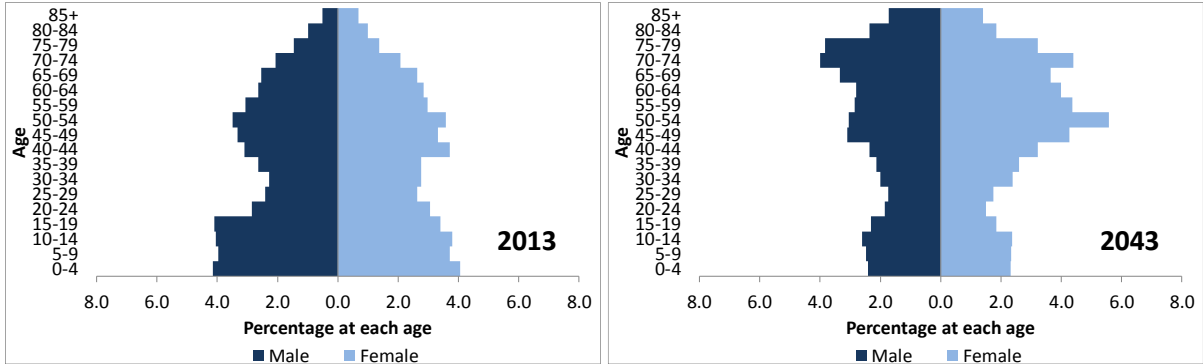
Figure 51 disaggregates the components of population change for South Waikato District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario remains negative throughout the projection period. This is made up of net outward migration (more out-migration than in-migration), offset by natural increase (more births than deaths). Net out-migration reduces in absolute number throughout the projection period, falling from a loss of about 210 people per year in 2013-2018 to a loss of about 160 people per year in 2058-2063. Natural increase declines throughout the projection period and becomes natural decrease (more deaths than births) from 2047.

Figure 51: Projected components of population change for South Waikato District, medium-variant projection, 2014-2063



The age structure of South Waikato District is also amongst the most youthful in the Waikato Region but population ageing is much more significant than in Otorohanga District, as shown in Figure 52. In 2013, 15.4 percent of the population are aged 65 years and over, and this is projected to increase to just 29.8 percent by 2043. This relatively high rate of population ageing explains why natural increase declines consistently throughout the projection period, as shown in the previous figure.

Figure 52: Age-sex structure for South Waikato District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for South Waikato District is shown in Figure 53. In terms of total households, the projection closely follows the medium-variant population projection, with the total number of households increasing from 8,822 in 2013 to a peak of 9,848 in 2033, before declining to 8,175 in 2063. All of the family and household types increase in absolute numbers before declining. The low-variant family and household projection (by type) for South Waikato District is shown in Figure 54. In terms of total households, the projection increases relative to the low-variant population projection, with the total number of households increasing to a peak of 9,381 in 2029, before declining to 6,952 in 2063. The high-variant family and household projection (by type) for South Waikato District is shown in Figure 55. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing to a peak of 10,523 in 2041, before declining to 9,642 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

The labour force projections for South Waikato District are shown in Figure 56. The estimated labour force in June 2013 is 11,138. In the medium-variant projection, the labour force grows to a peak of 12,352 in 2034 before declining to 9,257 in 2063. In the low-variant projection, the labour force grows to a peak of 11,776 in 2028 before declining to 7,713 in 2063. In the high-variant projection, the labour force grows to a peak of 13,240 in 2038 before declining to 11,145 in 2063.

Figure 53: Medium-variant family and household projections for South Waikato District, 2013-2063

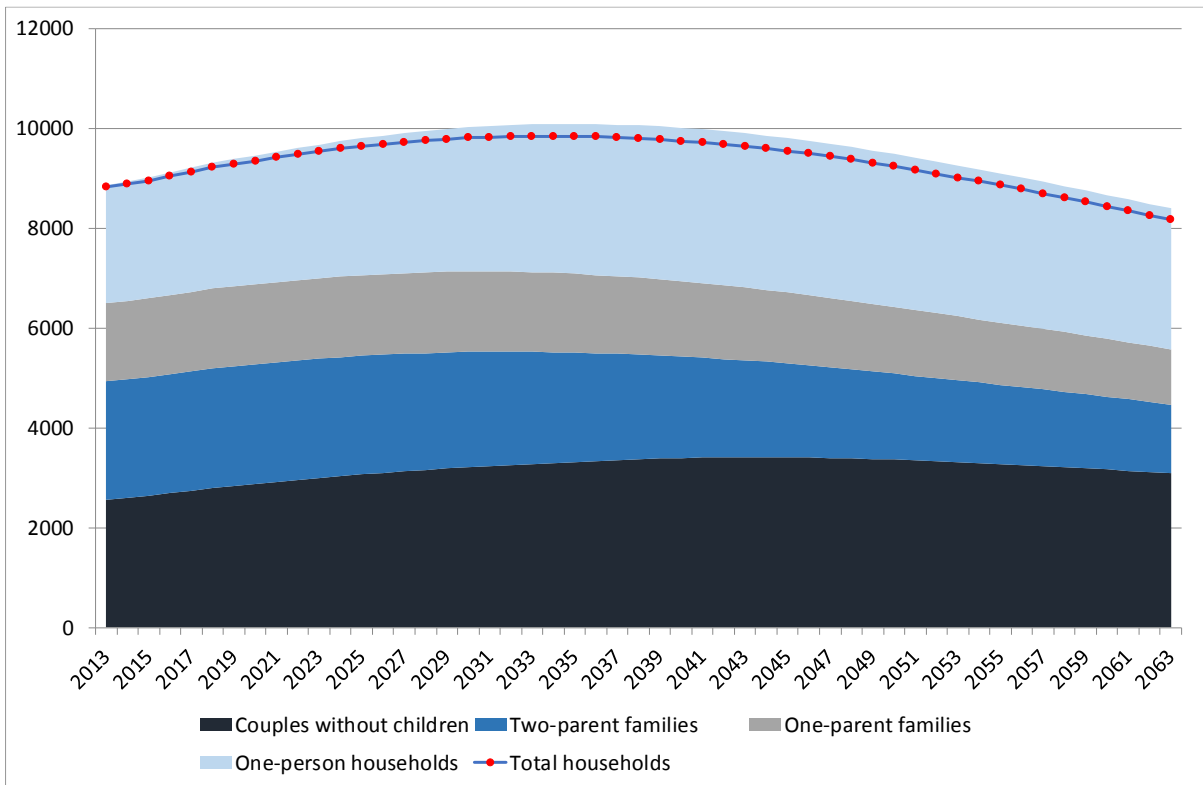


Figure 54: Low-variant family and household projections for South Waikato District, 2013-2063

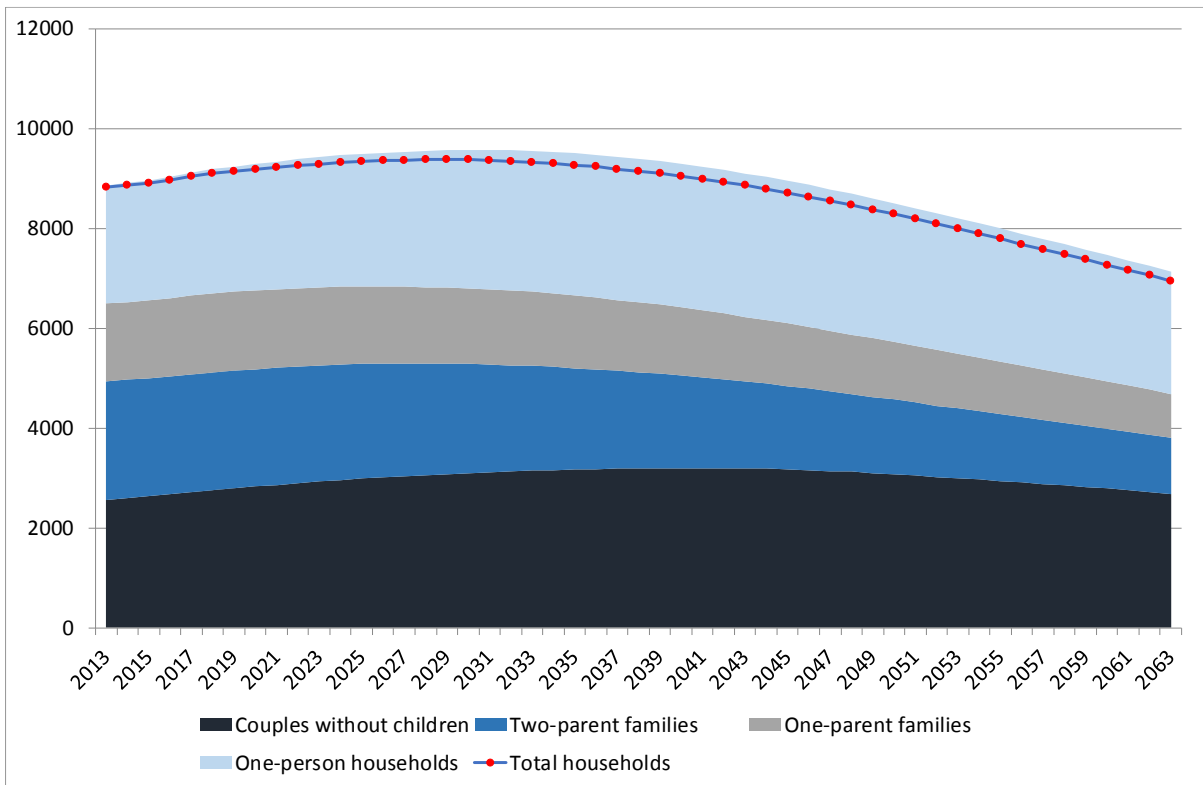


Figure 55: High-variant family and household projections for South Waikato District, 2013-2063

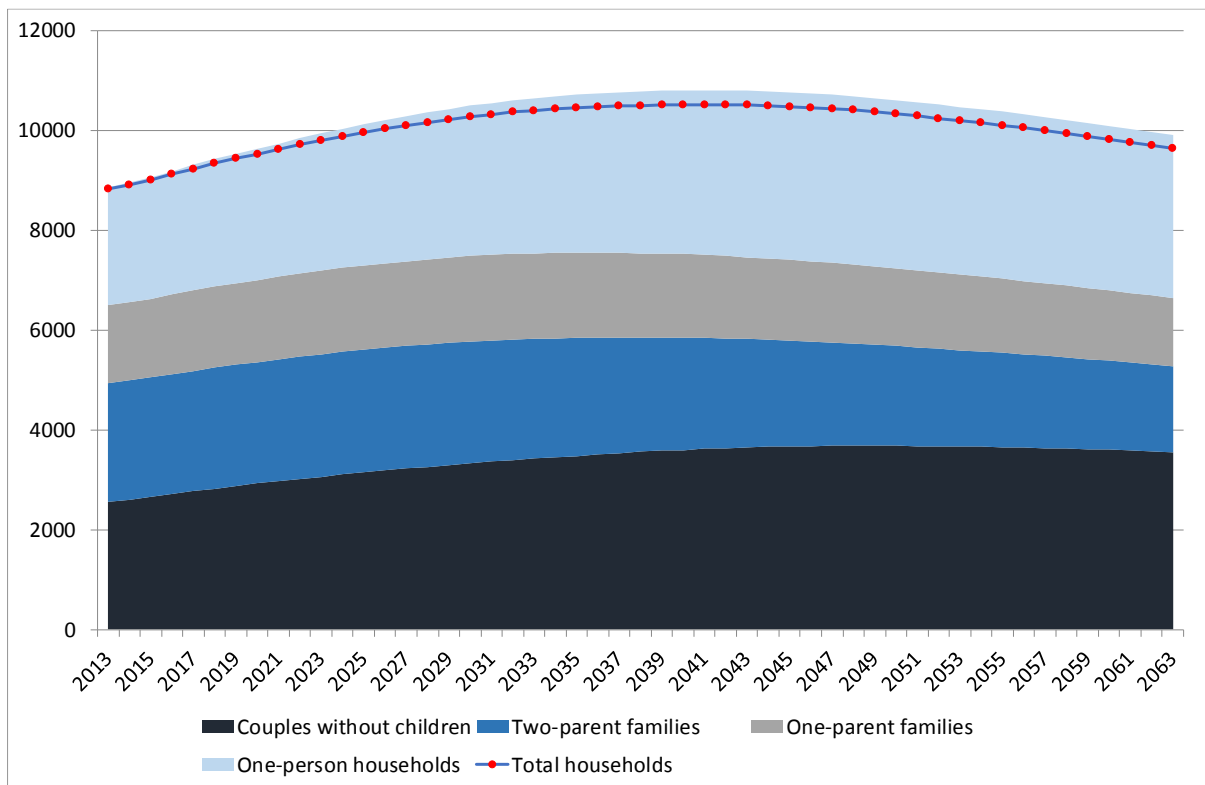
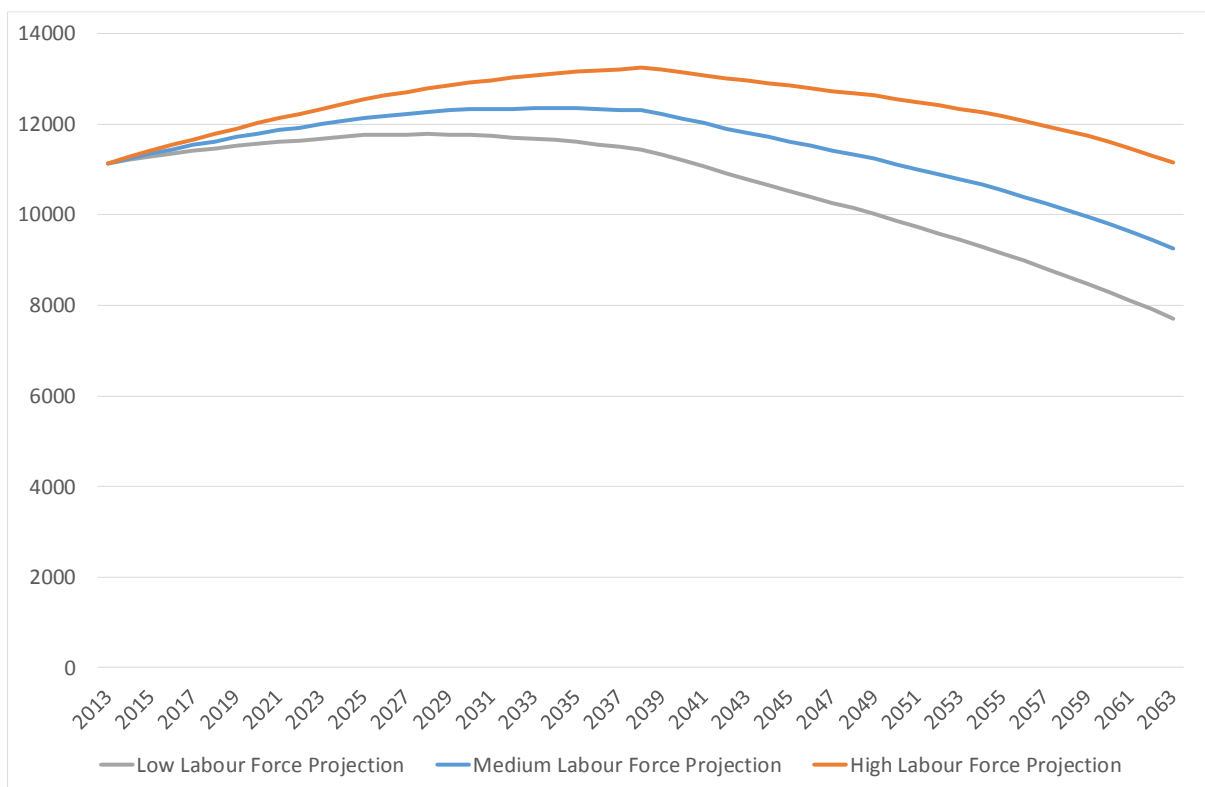


Figure 56: Labour force projections for South Waikato District, 2013-2063



3.9 Population, Family and Household, and Labour Force Projections for Waitomo District

Figure 57 presents the 2013-base population projections for Waitomo District⁷ to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Waitomo District is 9,295. Under the medium-variant population projection scenario, the population decreases over the entire projection period, to 6,090 in 2063. The medium-variant projection is similar to the recent trend in Waitomo District population, with annualised population decline over the period 2013-2031 of -0.46% per year, compared with the -0.40% annualised decline experienced over the period 1996-2013. Under the low-variant scenario, the population decreases over the entire projection period, to 5,021 in 2063. Under the high-variant scenario, the population decreases over the entire projection period, to 7,396 in 2063. In comparison, the SNZ 2013-base medium-variant projection tracks similar to the medium-variant projection presented here until about 2026 before falling away, with the SNZ high-variant initially above the high-variant scenario. The SNZ population estimates for 2013-2015 fall well above the high-variant scenario.

Figure 58 disaggregates the components of population change for Waitomo District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario remains negative throughout the projection period. This is made up of net outward migration (more out-migration than in-migration), offset by natural increase (more births than deaths). Net out-migration declines in absolute numbers throughout most of the projection period, falling from a loss of about 110 people per year in 2013-2018 to a loss of about 90 people per year in 2058-2063. Natural increase declines throughout the projection period and mostly becomes natural decrease (more deaths than births) from 2055 onwards.

⁷ Excluding the parts of Waitomo District that are in the Manawatu-Wanganui Region.

Figure 57: Population projections for Waitomo District, 2013-2063

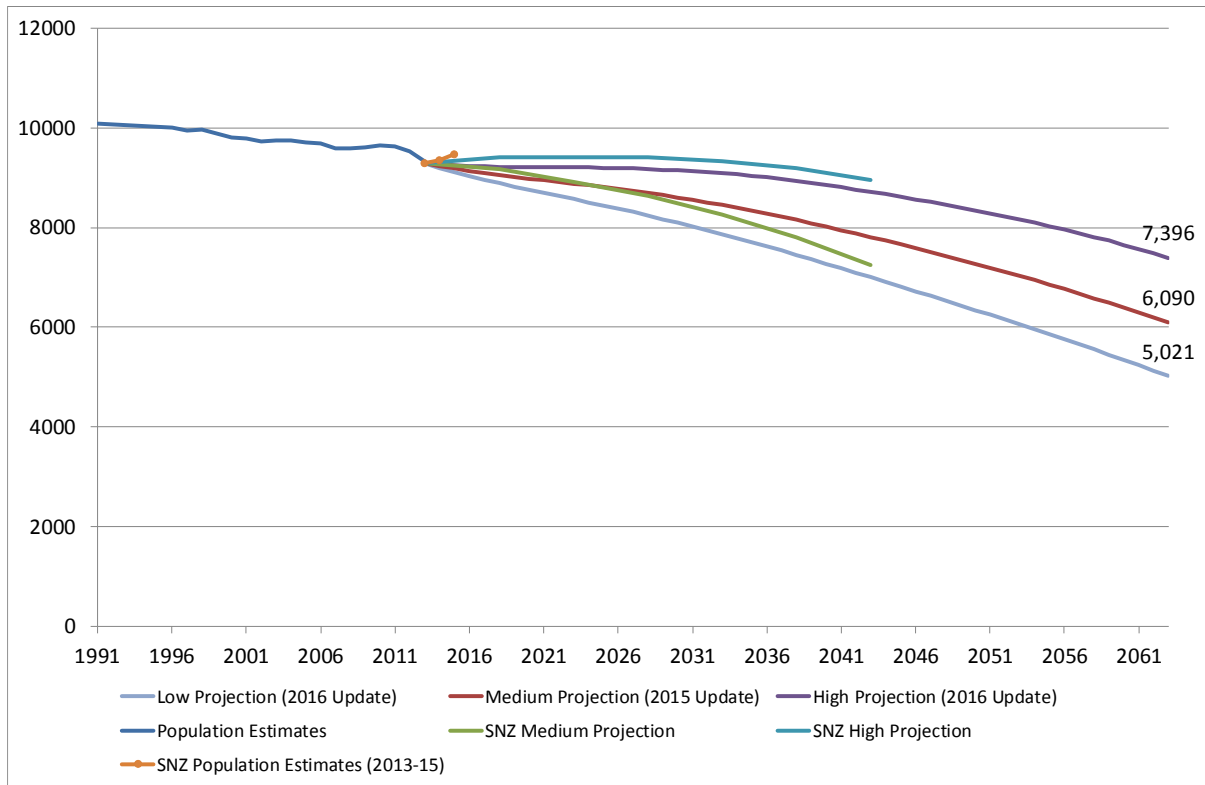
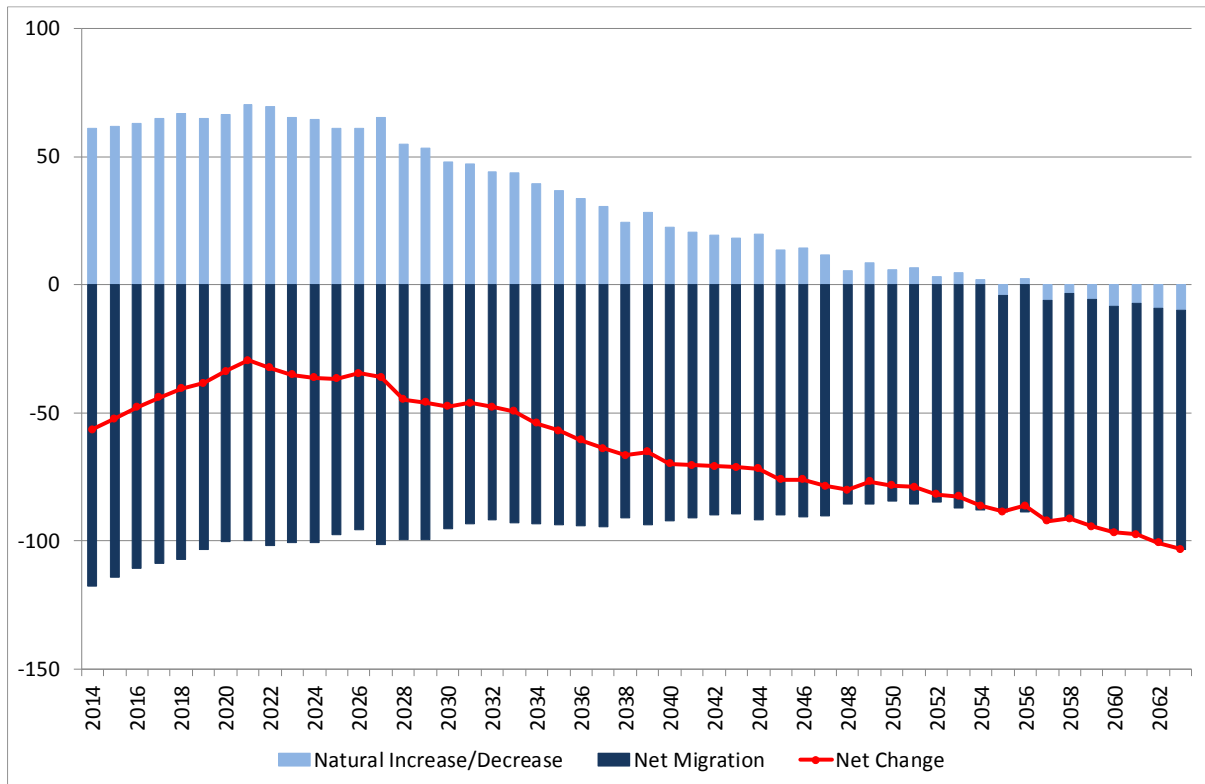
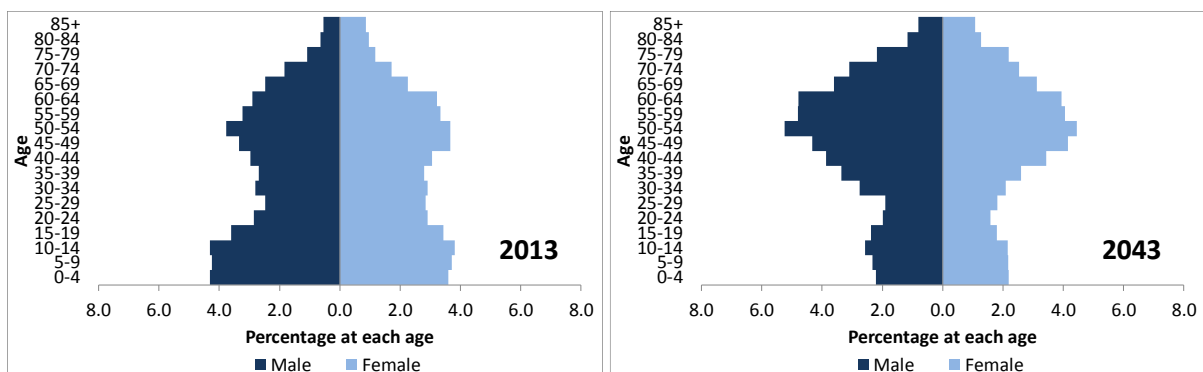


Figure 58: Projected components of population change for Waitomo District, medium-variant projection, 2014-2063



The age structure of Waitomo District is amongst the most youthful in the Waikato Region and experiences the least degree of population ageing, as shown in Figure 59. In 2013, 13.6 percent of the population are aged 65 years and over, and this is projected to increase to just 21.0 percent by 2043. This slower rate of population ageing explains why the district remains in natural increase throughout almost the entire projection period, as shown in the previous figure.

Figure 59: Age-sex structure for Waitomo District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Waitomo District is shown in Figure 60. In terms of total households, the projection closely follows the medium-variant population projection, with the total number of households increasing from 3,438 in 2013 to a peak of 3,569 in 2028, before declining to 2,824 in 2063. All of the family and household types increase in absolute numbers before declining. The low-variant family and household projection (by type) for Waitomo District is shown in Figure 61. In terms of total households, the projection increases relative to the low-variant population projection, with the total number of households increasing to a peak of 3,446 in 2018, before declining to 2,358 in 2063. The high-variant family and household projection (by type) for Waitomo District is shown in Figure 62. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing to a peak of 3,792 in 2037, before declining to 3,385 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

Figure 60: Medium-variant family and household projections for Waitomo District, 2013-2063

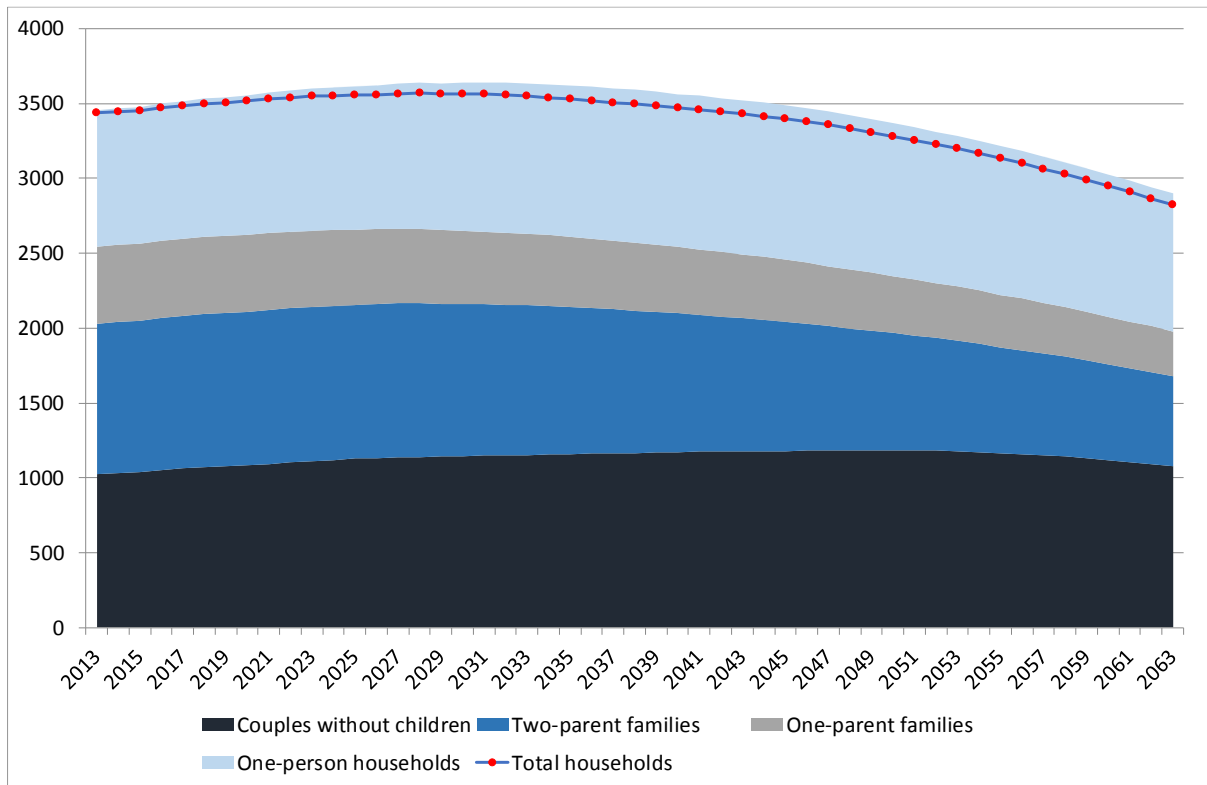


Figure 61: Low-variant family and household projections for Waitomo District, 2013-2063

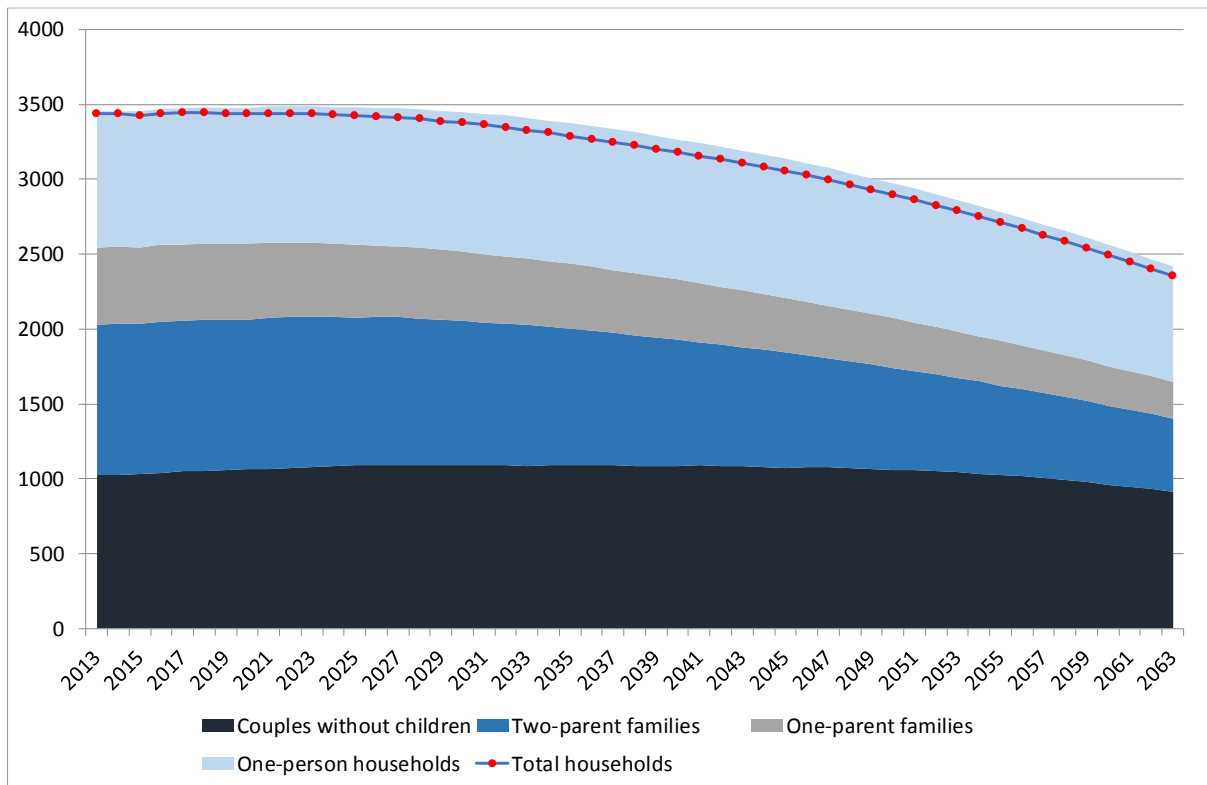
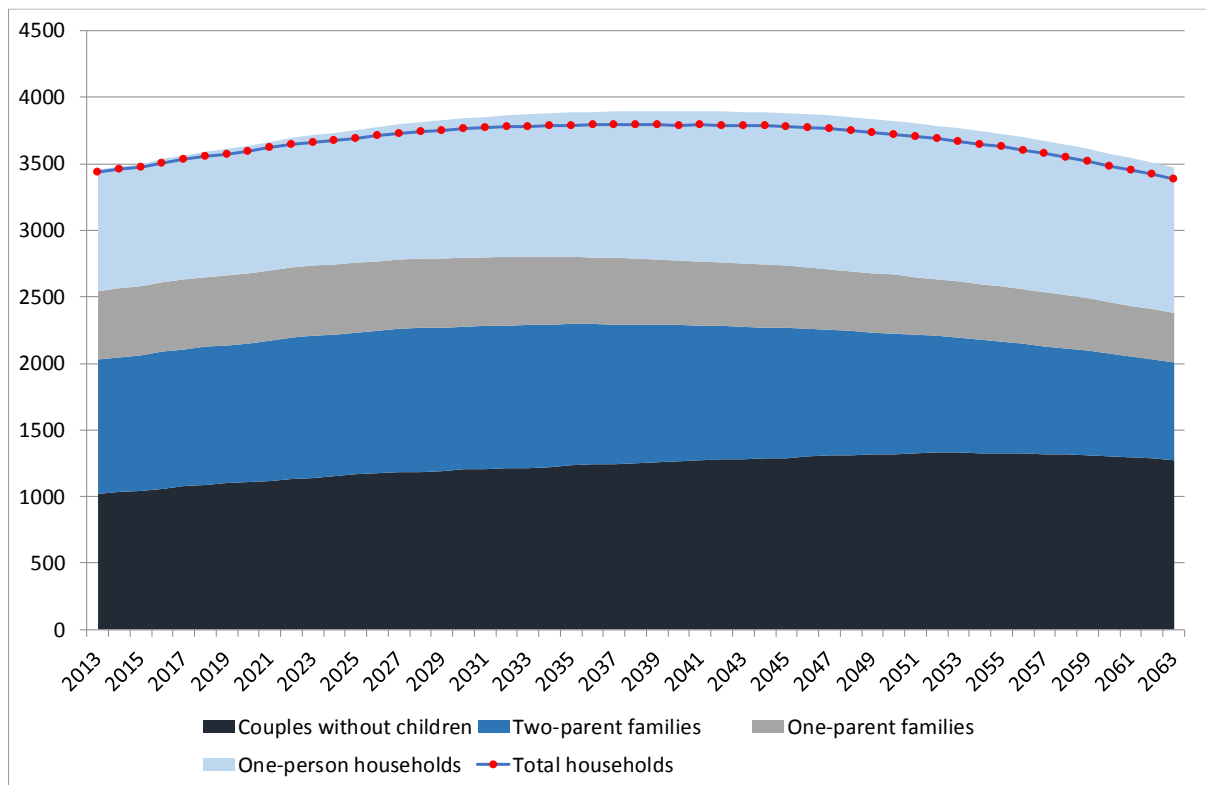
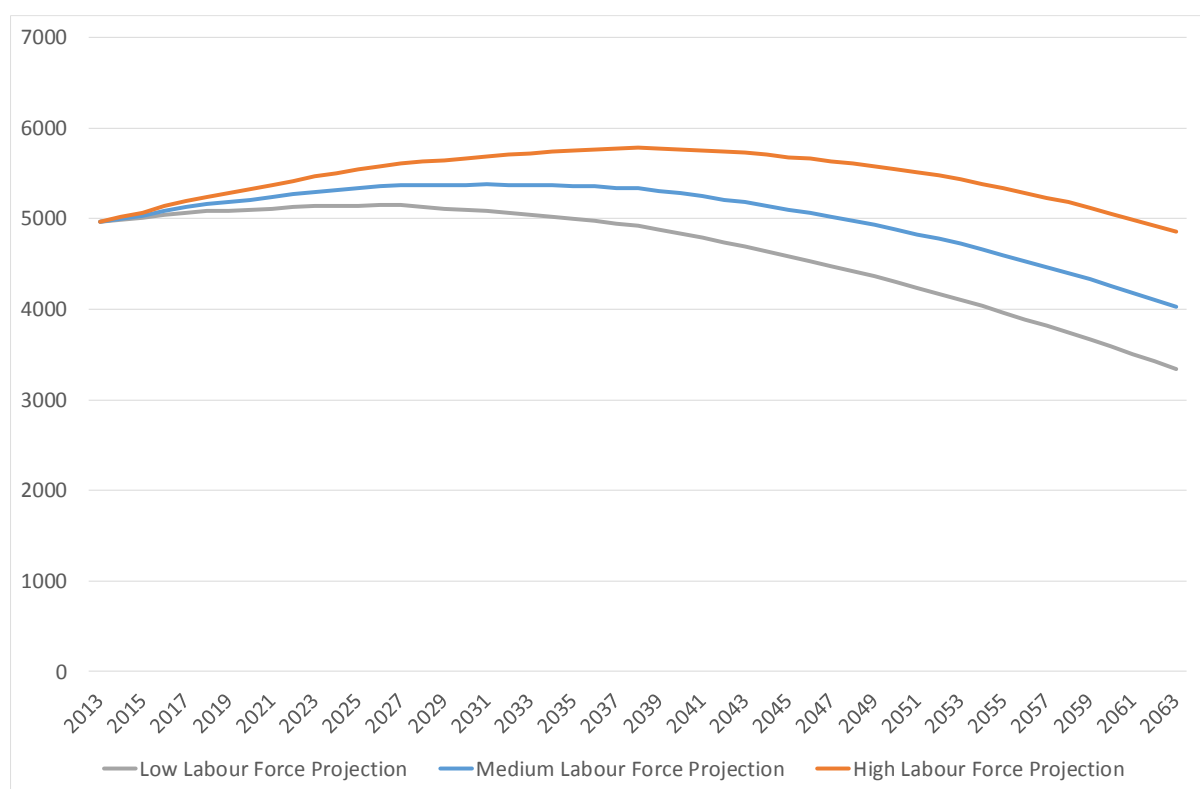


Figure 62: High-variant family and household projections for Waitomo District, 2013-2063



The labour force projections for Waitomo District are shown in Figure 63. The estimated labour force in June 2013 is 4,969. In the medium-variant projection, the labour force grows to a peak of 5,375 in 2031 before declining to 4,029 in 2063. In the low-variant projection, the labour force grows to a peak of 5,146 in 2026 before declining to 3,345 in 2063. In the high-variant projection, the labour force grows to a peak of 5,788 in 2038 before declining to 4,857 in 2063.

Figure 63: Labour force projections for Waitomo District, 2013-2063



3.10 Population, Family and Household, and Labour Force Projections for Taupo District

Figure 64 presents the 2013-base population projections for Taupo⁸ District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for Taupo District is 34,585. Under the medium-variant population projection scenario, the population increases to a peak of 39,418 in 2040 before declining to 35,569 in 2063. The medium-variant projection is similar to the recent trend in the Taupo District population, with annualised population growth over the period 2013-2031 of 0.60% per year, similar to the 0.57% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population increases to a peak of 36,753 in 2035 before declining to 32,196 in 2063. Under the high-variant scenario, the population increases to a peak of 42,902 in 2046 before declining to 40,971 in 2063. In comparison, the

⁸ Excluding the parts of Taupo District that are in the Bay of Plenty, Manawatu-Wanganui, and Hawke’s Bay Regions.

SNZ 2013-base medium-variant projection is similar to the low-variant projection presented, with the SNZ high-variant similar but slightly above the Waikato 2016 medium-variant scenario. The SNZ population estimates for 2013-2015 are similar to the high-variant scenario.

Figure 64: Population projections for Taupo District, 2013-2063

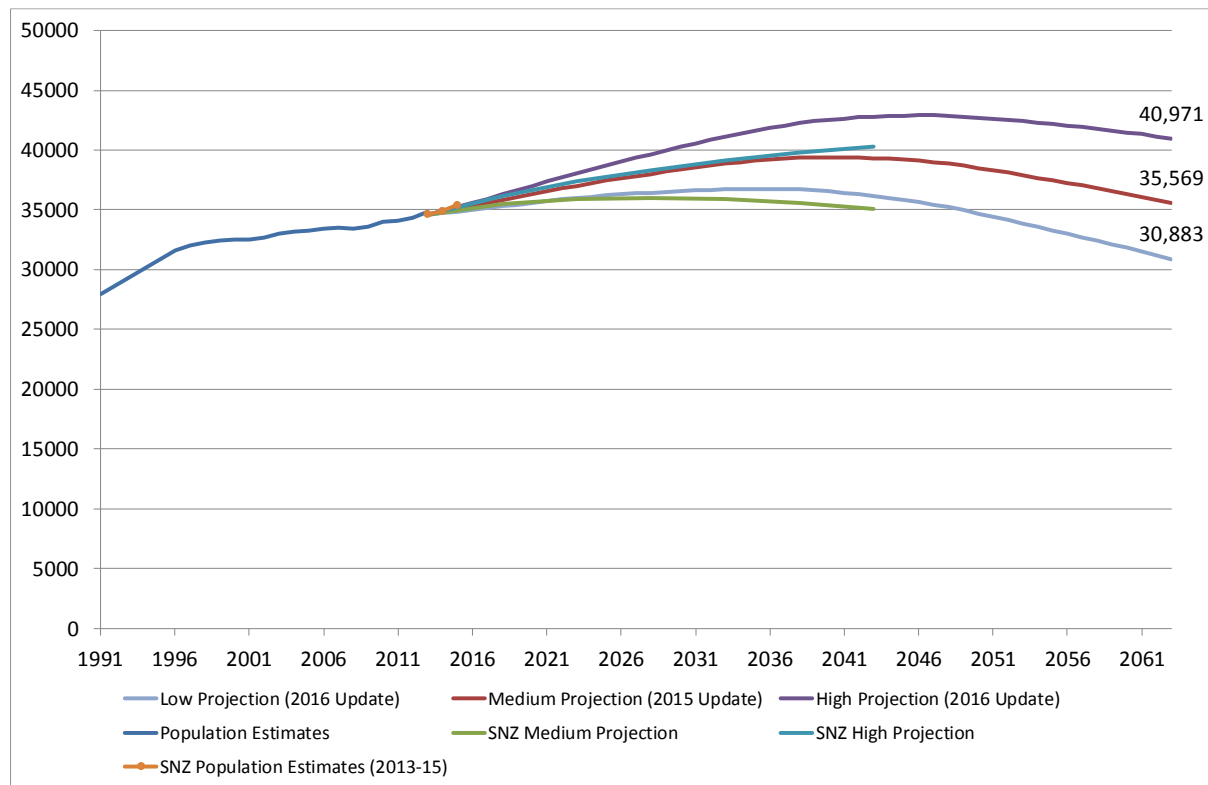
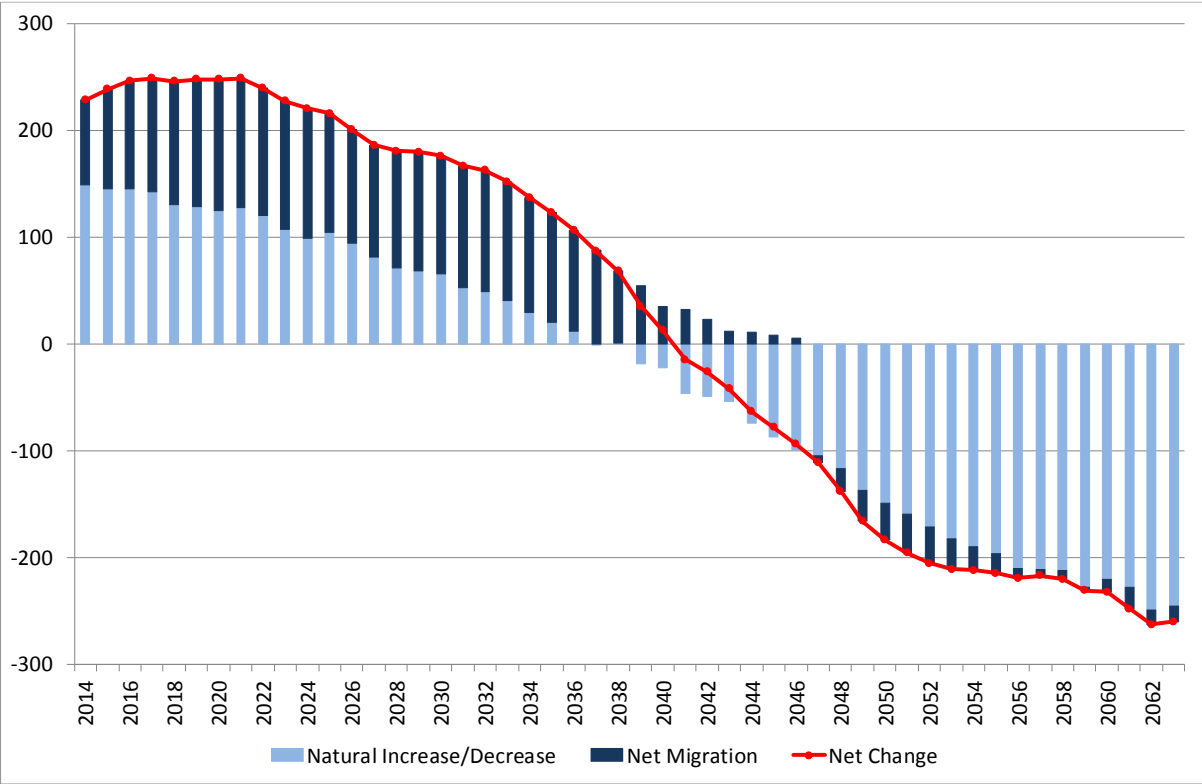


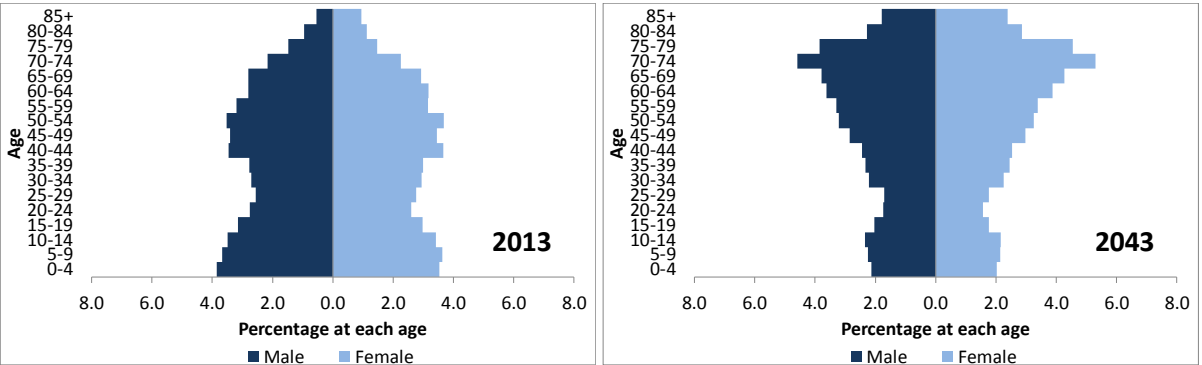
Figure 65 disaggregates the components of population change for Taupo District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is positive until 2040. This is made up of both net inward migration (more in-migration than out-migration), and natural increase (more births than deaths). Net migration decreases throughout the projection period, becoming negative in 2047. Natural increase also declines throughout the projection period and becomes natural decrease (more deaths than births) in 2039 then increasing to a net loss of around 230 people per year over the period 2058-2063.

Figure 65: Projected components of population change for Taupo District, medium-variant projection, 2014-2063



The age structure of Taupo District is moderately old compared with other TAs in the Waikato but ages rapidly, as shown in Figure 66. In 2013, 16.7 percent of the population are aged 65 years and over, and this is projected to increase to 35.6 percent by 2043. This is one of the fastest rates of ageing in the region, and explains the shift from natural increase to natural decrease shown in the previous figure.

Figure 66: Age-sex structure for Taupo District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for Taupo District is shown in Figure 67. In terms of total households, the projection closely follows the medium-variant population projection, with the total number of households increasing from 12,797 in 2013 to a peak of 16,915 in 2046, before declining to 15,858 in 2063. All of the family and household types increase in absolute numbers before declining. The low-variant family and household projection (by type) for Taupo District is shown in Figure 68. In terms of total households, the projection closely follows the low-variant population projection, with the total number of households increasing to a peak of 15,559 in 2042, before declining to 13,811 in 2063. The high-variant family and household projection (by type) for Taupo District is shown in Figure 69. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing to a peak of 18,637 in 2051, before declining to 18,210 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

Figure 67: Medium-variant family and household projections for Taupo District, 2013-2063

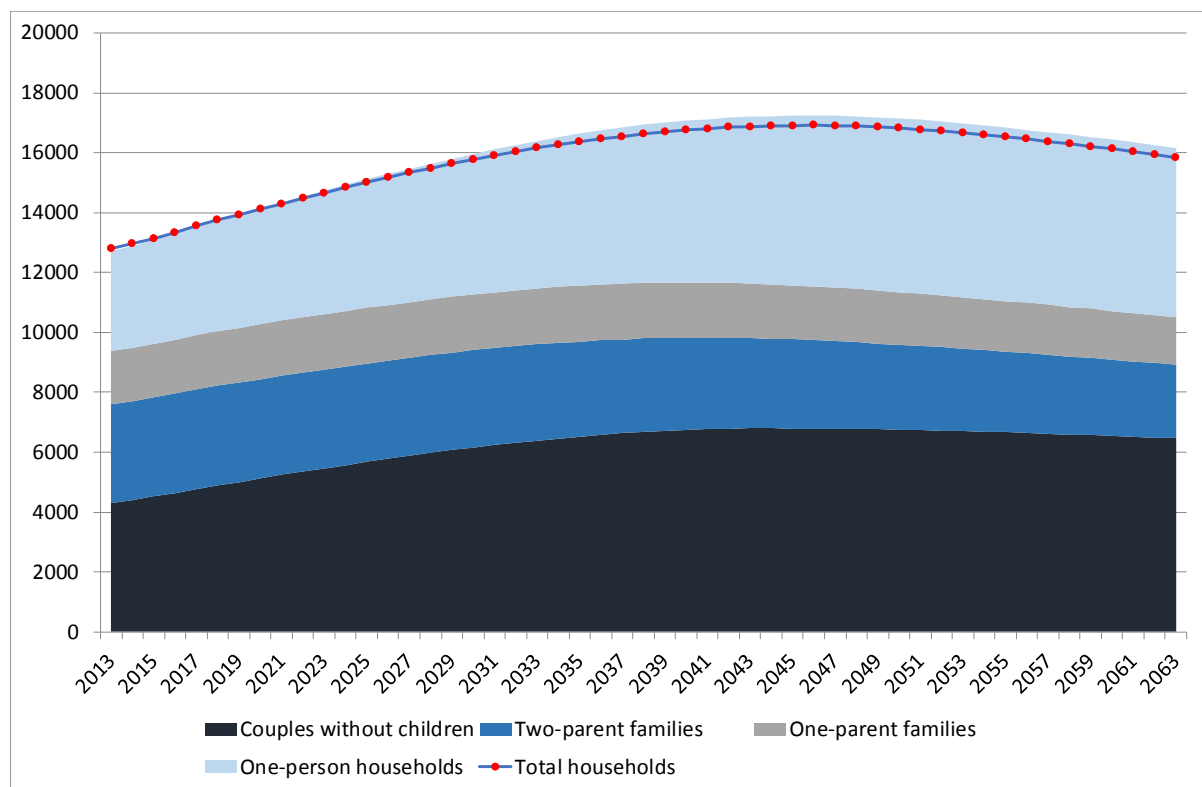


Figure 68: Low-variant family and household projections for Taupo District, 2013-2063

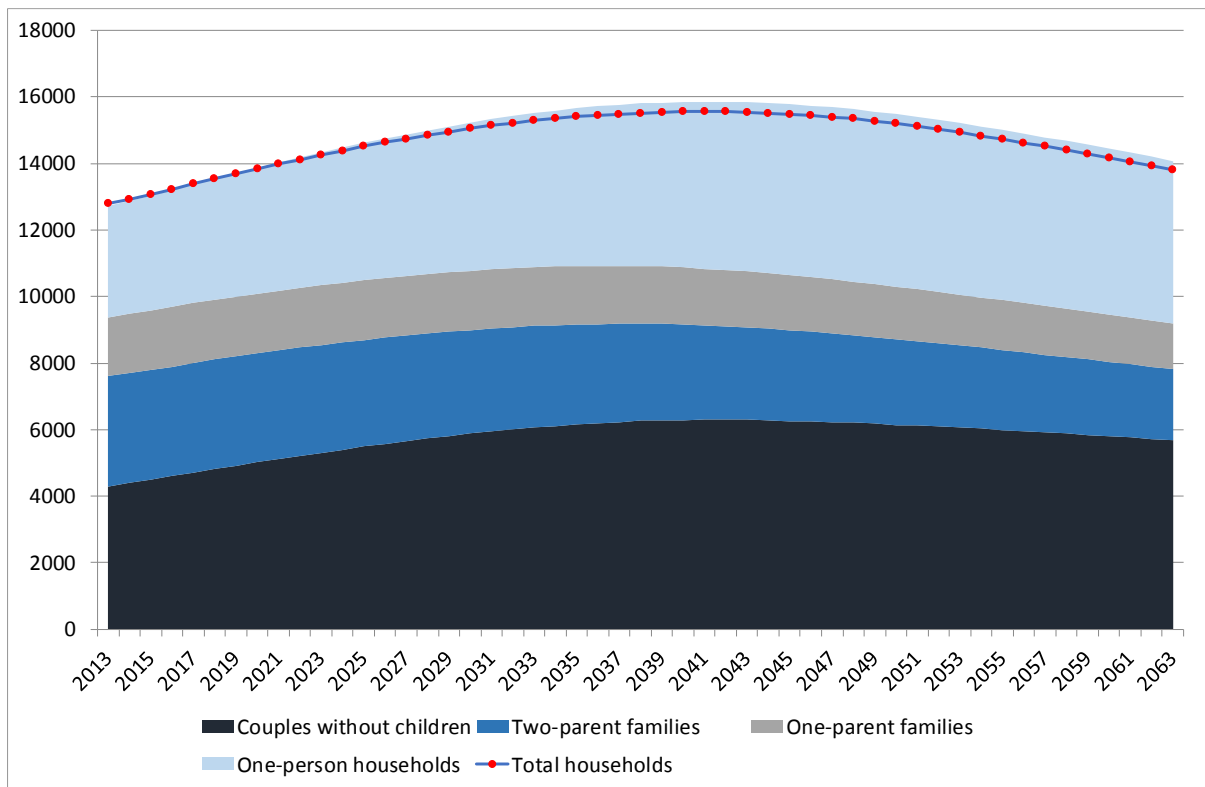
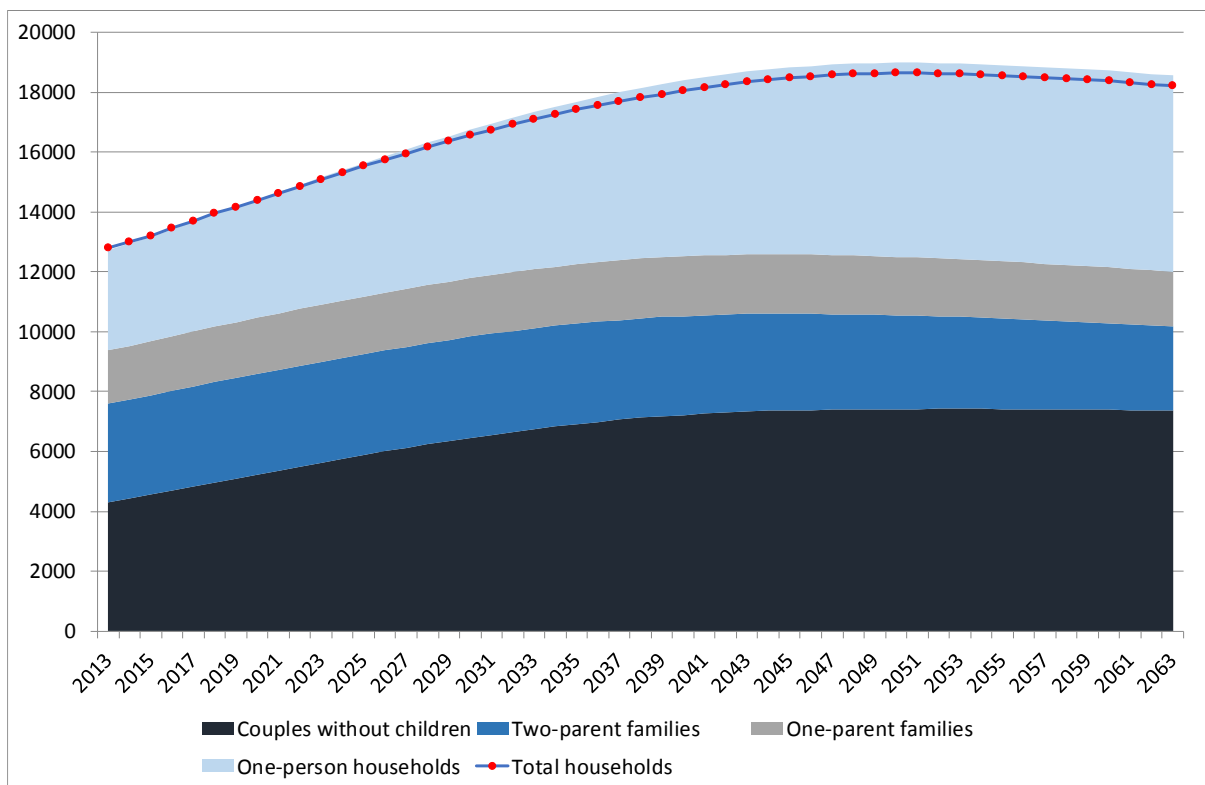
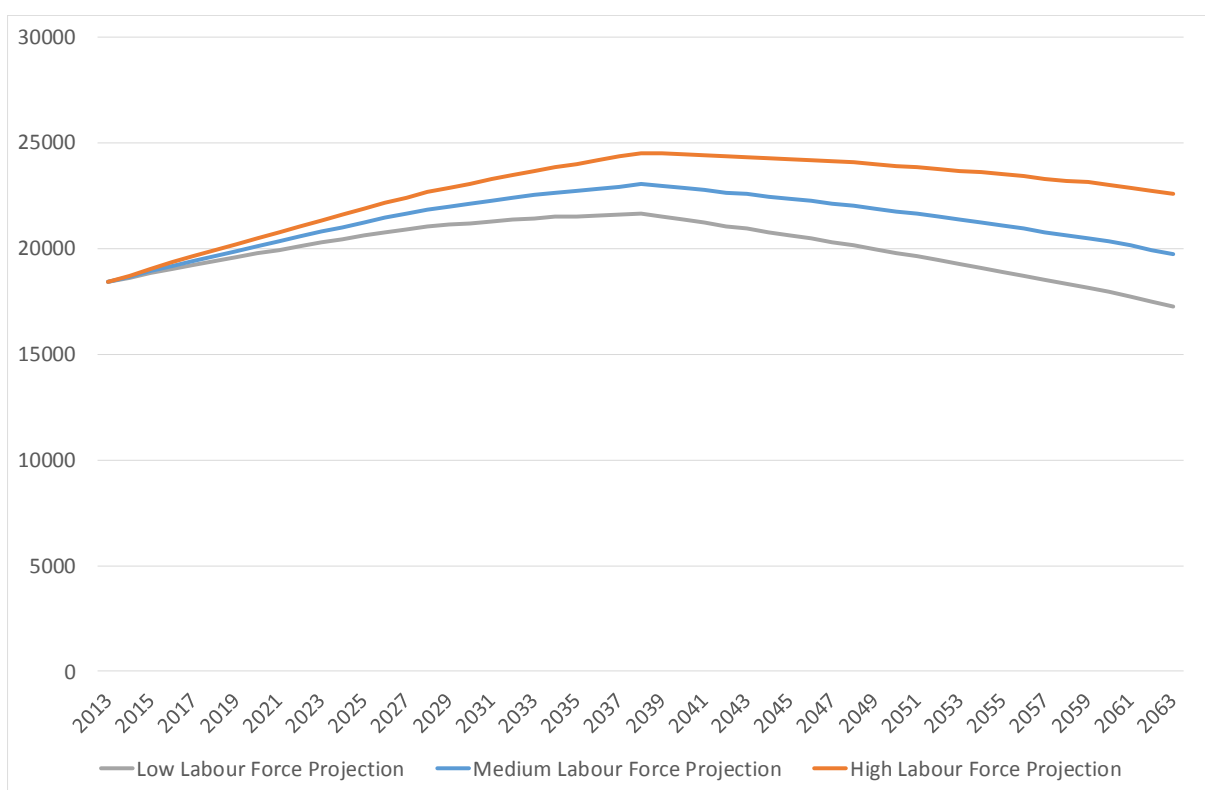


Figure 59: High-variant family and household projections for Taupo District, 2013-2063



The labour force projections for Taupo District are shown in Figure 70. The estimated labour force in June 2013 is 18,423. In the medium-variant projection, the labour force grows to a peak of 23,035 in 2038 before declining to 19,757 in 2063. In the low-variant projection, the labour force grows to a peak of 21,642 in 2038 before declining to 17,277 in 2063. In the high-variant projection, the labour force grows to a peak of 24,519 in 2038 before declining to 22,588 in 2063.

Figure 70: Labour force projections for Taupo District, 2013-2063



3.11 Population, Family and Household, and Labour Force Projections for part-Rotorua District

Figure 71 presents the 2013-base population projections for part-Rotorua⁹ District to 2063, along with historical population estimates from Statistics New Zealand back to 1991. The

⁹ Excluding the parts of Rotorua District that are in the Bay of Plenty Region.

2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for part-Rotorua District is 3,820. Under the medium-variant population projection scenario, the population increases to a peak of 4,009 in 2033 before declining to 3,087 in 2063. The medium-variant projection is similar to the recent trend in the part-Rotorua District population, with annualised population growth over the period 2013-2031 of 0.26% per year, similar to the 0.16% annualised growth experienced over the period 1996-2013. Under the low-variant scenario, the population increases to a peak of 3,859 in 2026 before declining to 2,719 in 2063. Under the high-variant scenario, the population increases to a peak of 4,220 in 2037 before declining to 3,510 in 2063. In comparison, the SNZ 2013-base medium-variant projection is similar to the medium-variant projection presented here until 2021 before falling away to be more similar to the low-variant projection, with the SNZ high-variant above the high-variant scenario over the entire projection period. The SNZ population estimates for 2013-2015 are well below the low-variant scenario.

Figure 71: Population projections for part-Rotorua District, 2013-2063

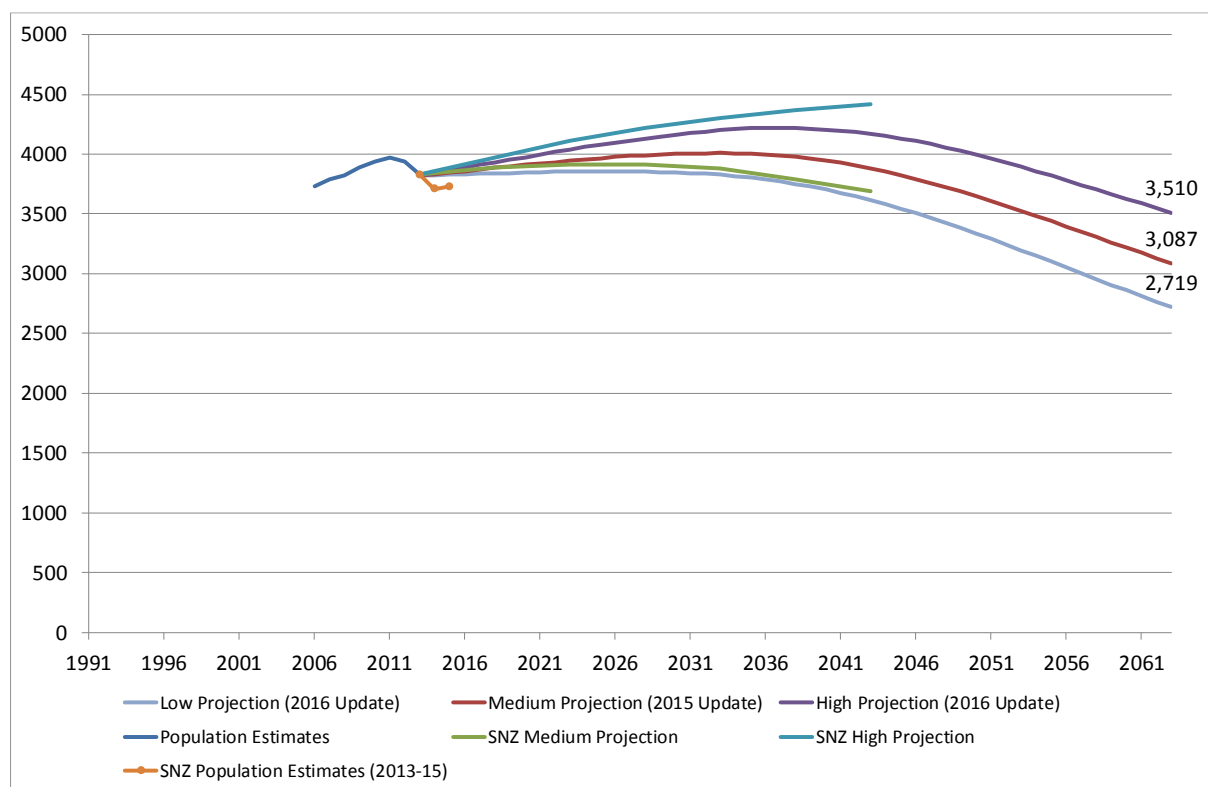
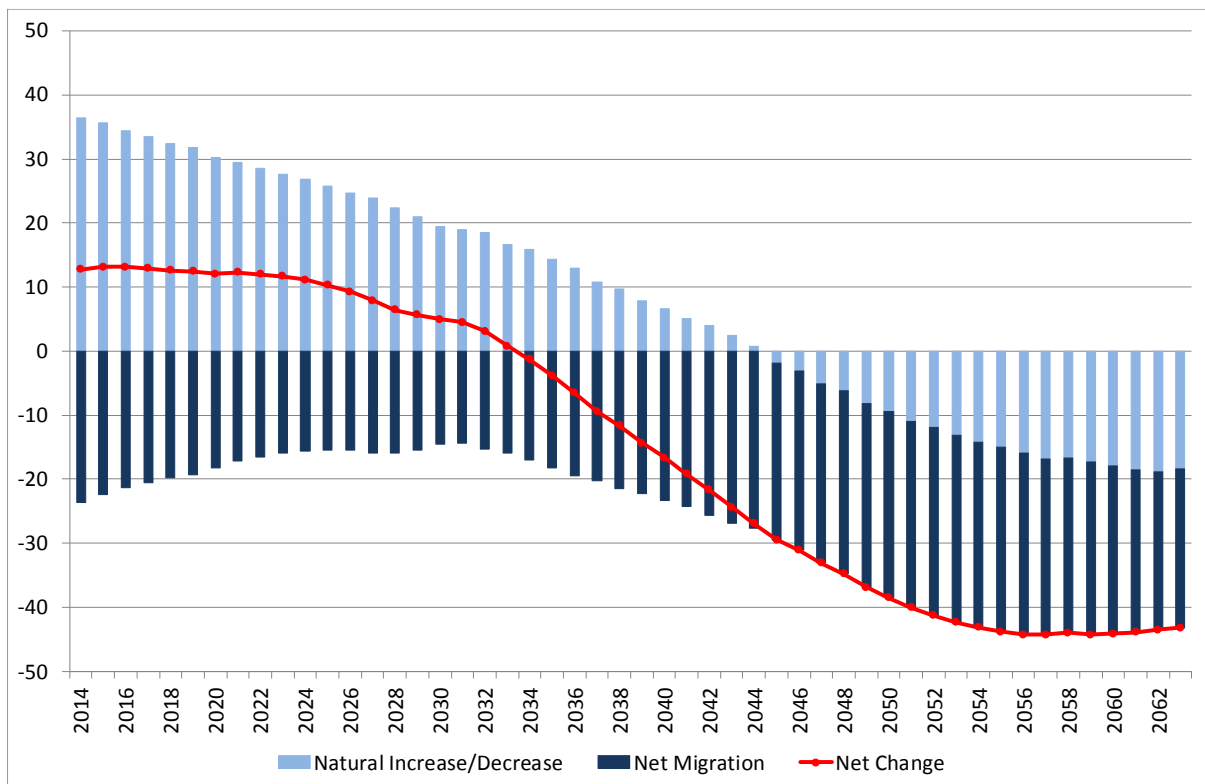


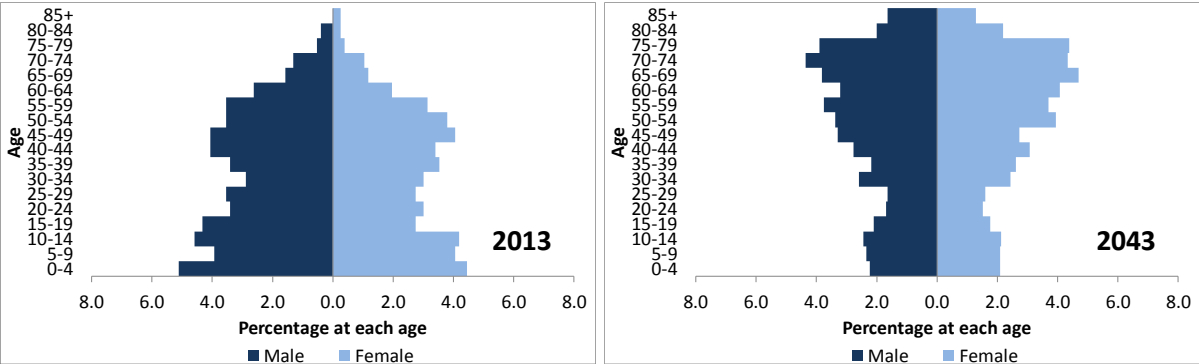
Figure 72 disaggregates the components of population change for part-Rotorua District over the period 2014-2063 for the medium-variant population projection. As previously noted, net population change in the medium-variant projection scenario is positive until 2033. This is made up of net outward migration (more out-migration than in-migration), more than offset by natural increase (more births than deaths). Net migration fluctuates across the projection period, while natural increase declines throughout the projection period and becomes natural decrease (more deaths than births) from 2045 onwards.

Figure 72: Projected components of population change for part-Rotorua District, medium-variant projection, 2014-2063



The age structure of part-Rotorua District is the youngest in the Waikato Region but ages rapidly, as shown in Figure 73. In 2013, just 6.9 percent of the population are aged 65 years and over, but this is projected to increase to 32.6 percent by 2043. This is one of the fastest rates of ageing in the region, and explains the shift from natural increase to natural decrease shown in the previous figure.

Figure 73: Age-sex structure for part-Rotorua District, 2013 and 2043 (medium-variant projection)



The medium-variant family and household projection (by type) for part-Rotorua District is shown in Figure 74. In terms of total households, the projection closely follows the medium-variant population projection, with the total number of households increasing from 2,575 in 2013 to a peak of 3,357 in 2038, before declining to 2,763 in 2063. Two-parent and one-parent families decline in number over the entire projection period, while couples without children and one-person households both increase in absolute numbers before declining. The low-variant family and household projection (by type) for part-Rotorua District is shown in Figure 75. In terms of total households, the projection closely follows the low-variant population projection, with the total number of households increasing to a peak of 3,201 in 2035, before declining to 2,459 in 2063. The high-variant family and household projection (by type) for part-Rotorua District is shown in Figure 76. In terms of total households, the projection closely follows the high-variant population projection, with the total number of households increasing to a peak of 3,548 in 2042, before declining to 3,107 in 2063. The relative size of the families and households by type are similar in the low-variant and high-variant projections to those in the medium-variant projection.

The labour force projections for part-Rotorua District are shown in Figure 77. The estimated labour force in June 2013 is 2,083. In the medium-variant projection, the labour force grows to a peak of 2,420 in 2033 before declining to 1,749 in 2063. In the low-variant projection, the labour force grows to a peak of 2,334 in 2029 before declining to 1,548 in 2063. In the high-variant projection, the labour force grows to a peak of 2,523 in 2036 before declining to 1,977 in 2063.

Figure 74: Medium-variant family and household projections for part-Rotorua District, 2013-2063

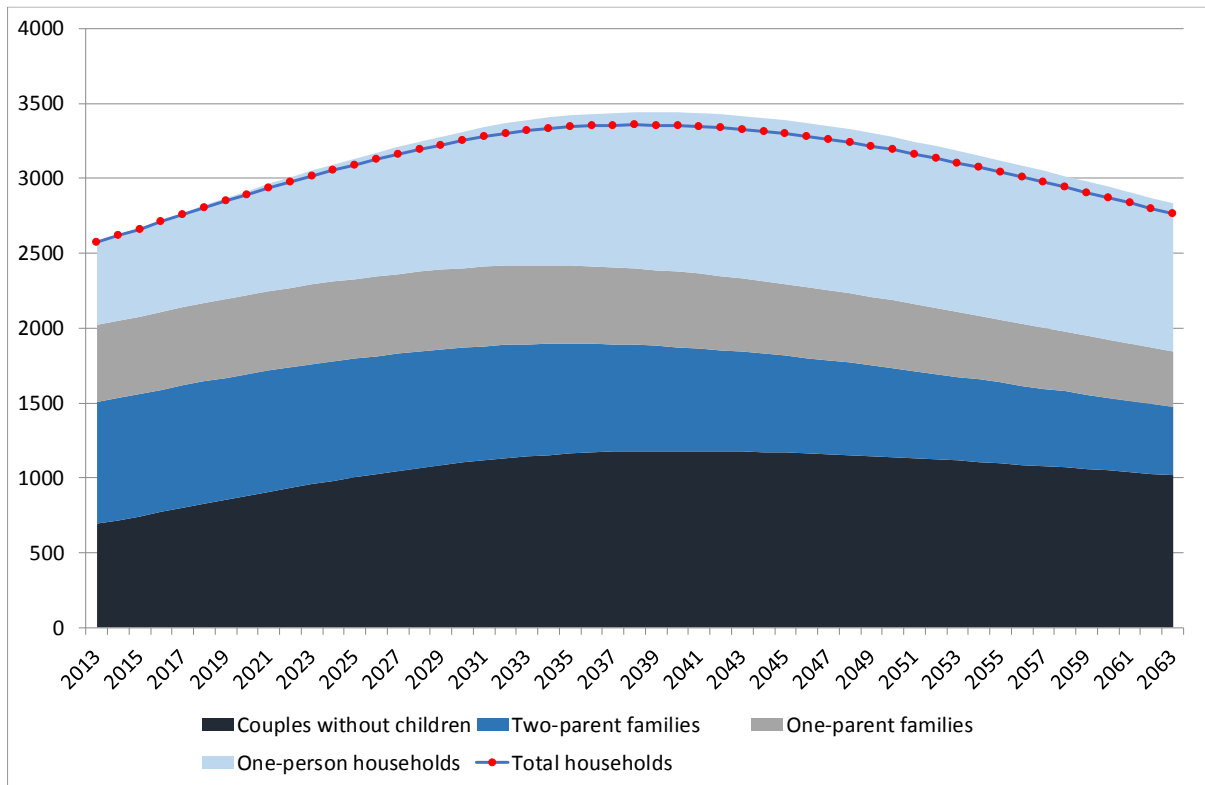


Figure 75: Low-variant family and household projections for part-Rotorua District, 2013-2063

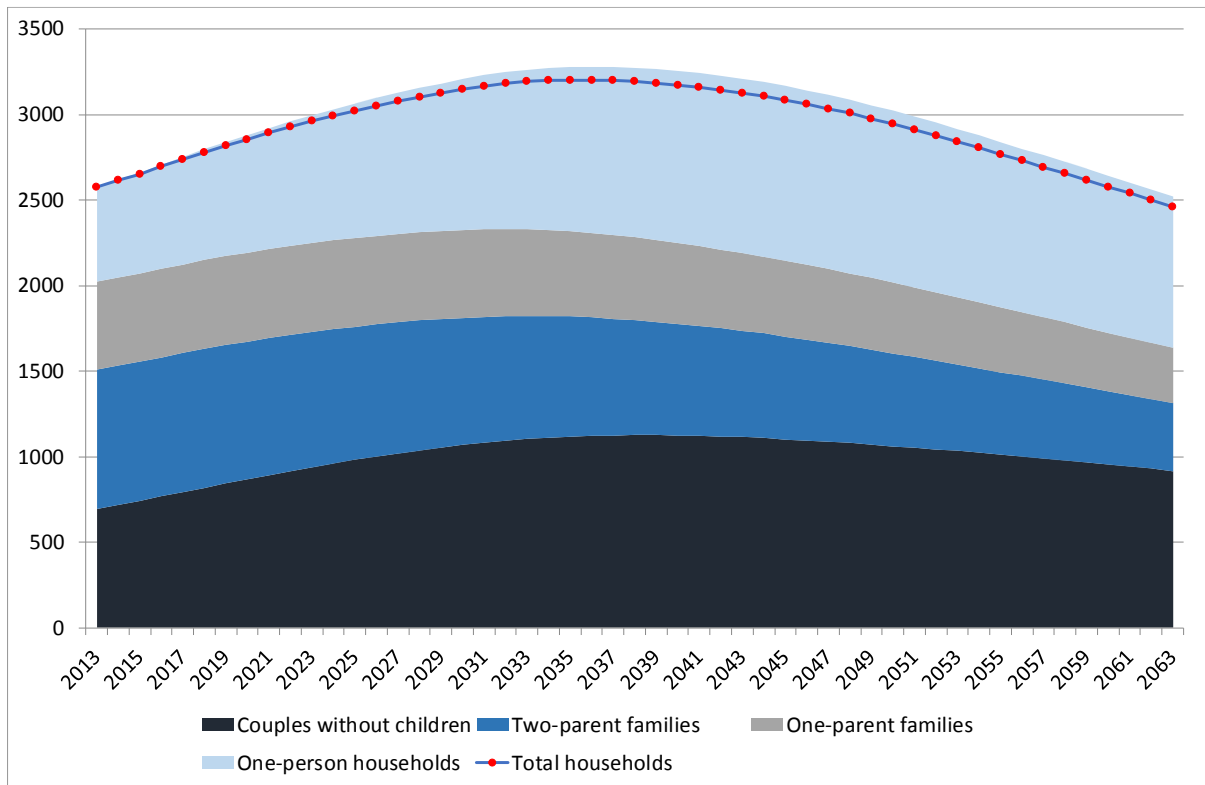


Figure 76: High-variant family and household projections for part-Rotorua District, 2013-2063

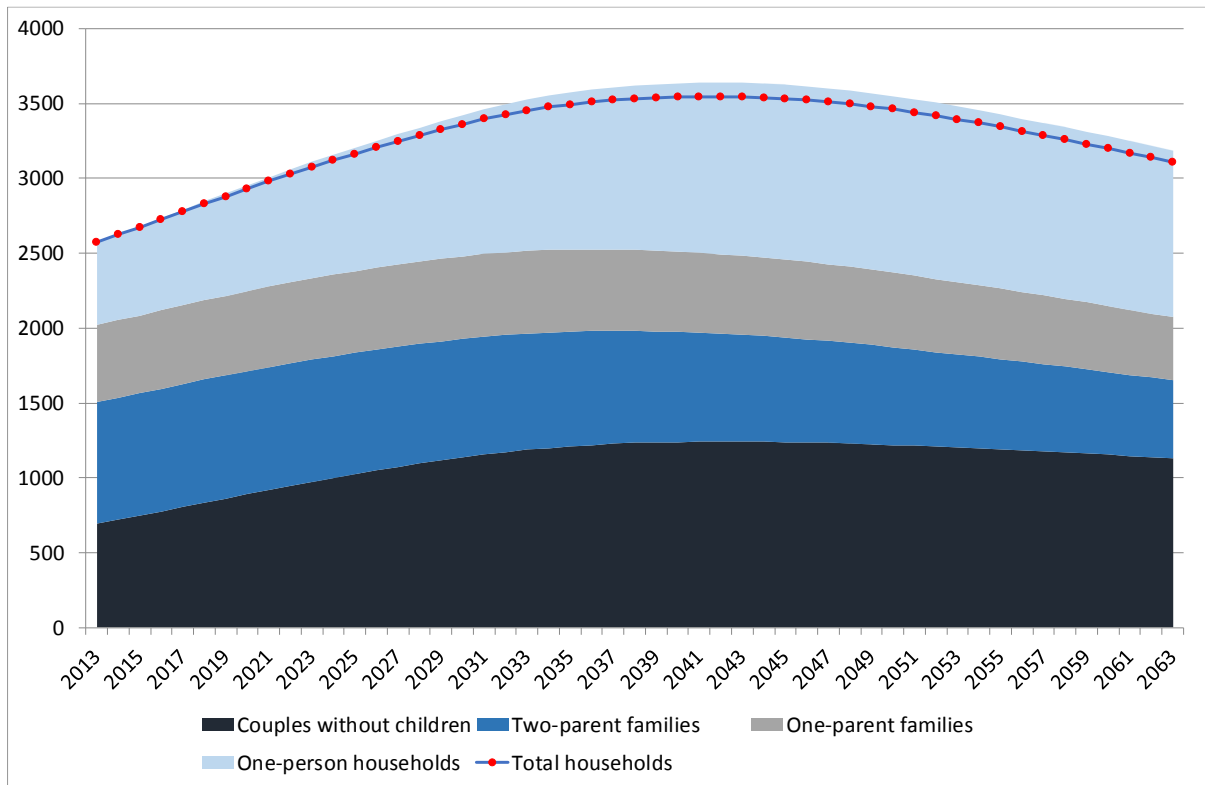
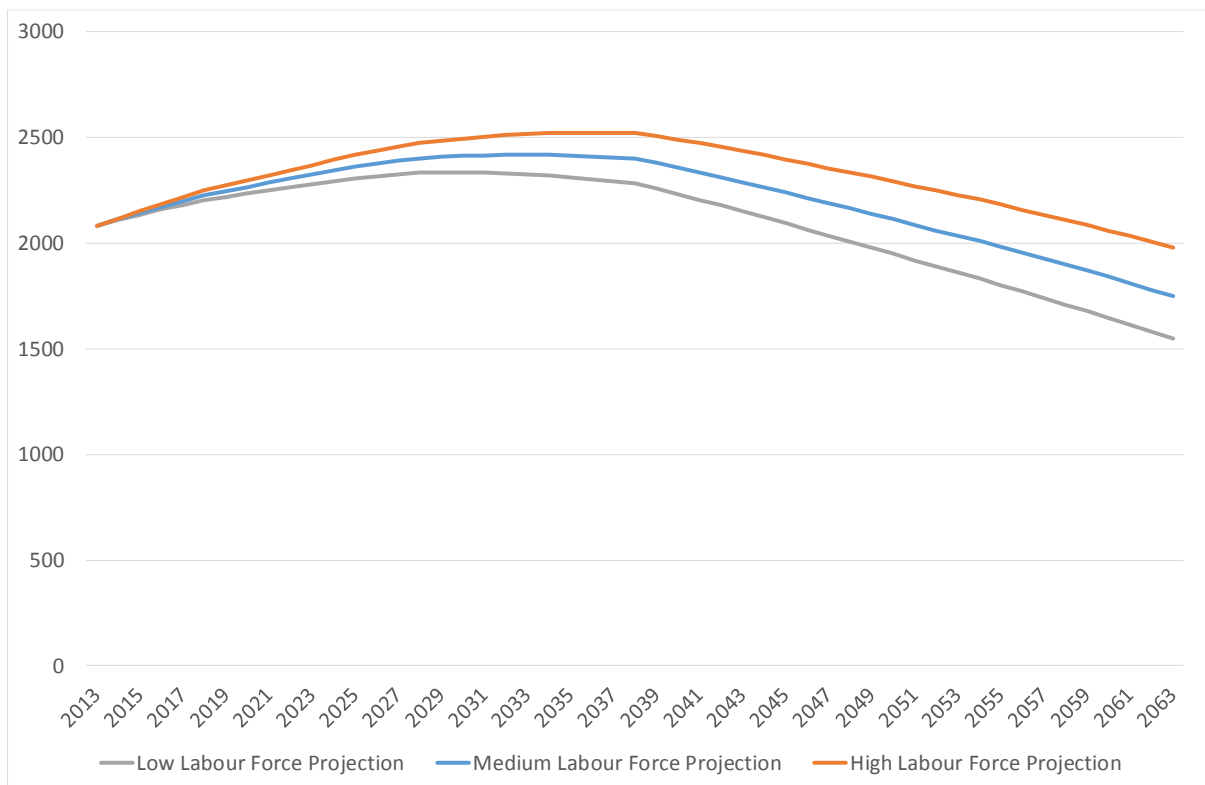


Figure 77: Labour force projections for part-Rotorua District, 2013-2063



3.12 Combined Population, Family and Household, and Labour Force Projections for the Waikato Region

Figure 78 presents the 2013-base population projections for the Waikato Region as a whole, generated by summing the projections for all component TAs within each variant, along with historical population estimates from Statistics New Zealand back to 2006. The low-variant and high-variant projections should be viewed with some caution, as they assume that *all* TAs follow the low-variant or high-variant projections respectively. This perfect correlation structure is extremely unlikely to hold true; more likely some TAs would experience higher projections at the expense of other TAs within the region. The 2013-base Statistics New Zealand (SNZ) medium-variant and high-variant projections are also included for comparison, along with the SNZ population estimates for 2013-2015.

The June 2013 population estimate (base population) for the Waikato Region is 424,740. Under the combined medium-variant population projection scenario, the population increases over the entire projection period, with a projected population in 2063 of 601,259. Under the combined low-variant scenario, the population increases to a peak of 521,298 in 2048 before declining to 509,600 in 2063. Under the combined high-variant scenario, the population increases over the entire projection period, with a projected population in 2063 of 710,041. In comparison, the SNZ 2013-base medium-variant projection is similar to the low-variant projection presented here, with the SNZ high-variant similar to the medium-variant scenario presented here. The SNZ population estimates for 2013-2015 track above the high-variant scenario.

The combined medium-variant family and household projection (by type) for the Waikato Region is shown in Figure 79. In terms of total households, the projection closely follows the combined medium-variant population projection, with the total number of households increasing throughout the projection period, from 156,057 in 2013 to 261,128 in 2063. Given the additional assumptions required about correlations between TAs, we do not report combined low-variant or high-variant family and household projections here (though they are available in Appendix II).

Figure 78: Combined population projections for the Waikato region, 2013-2063

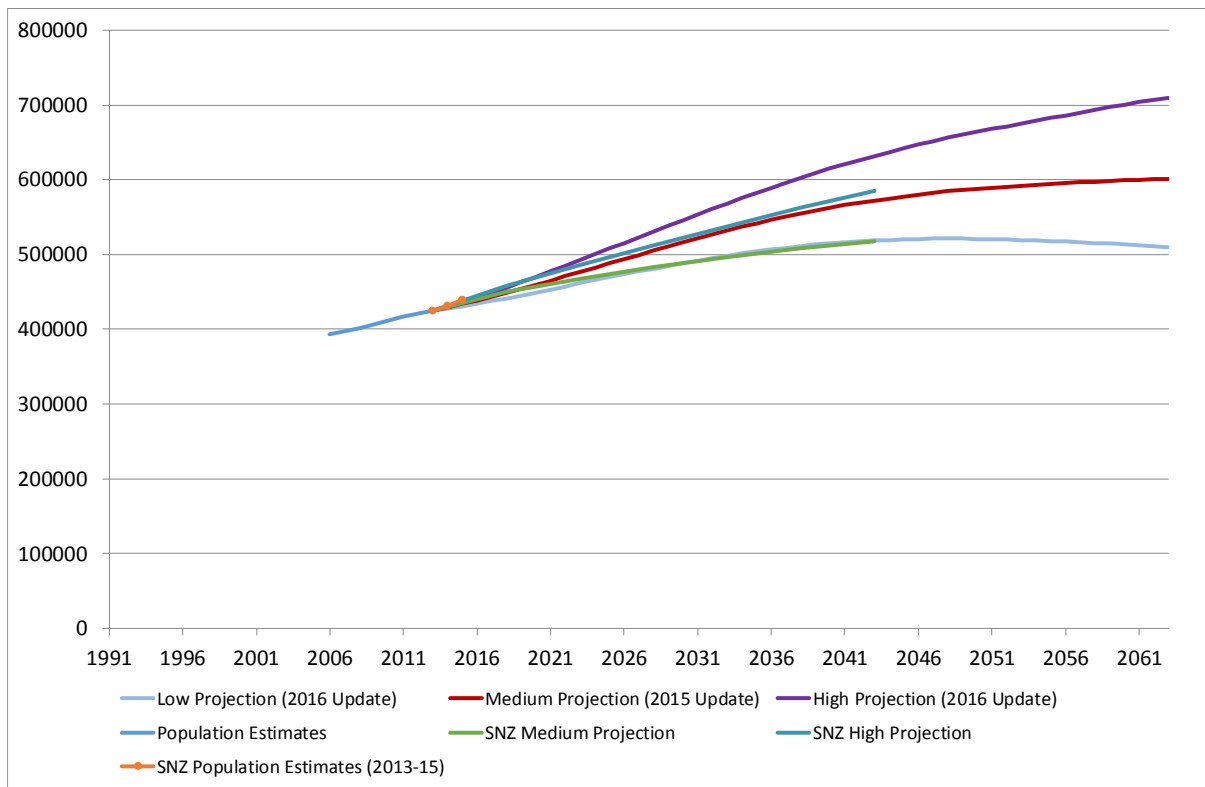
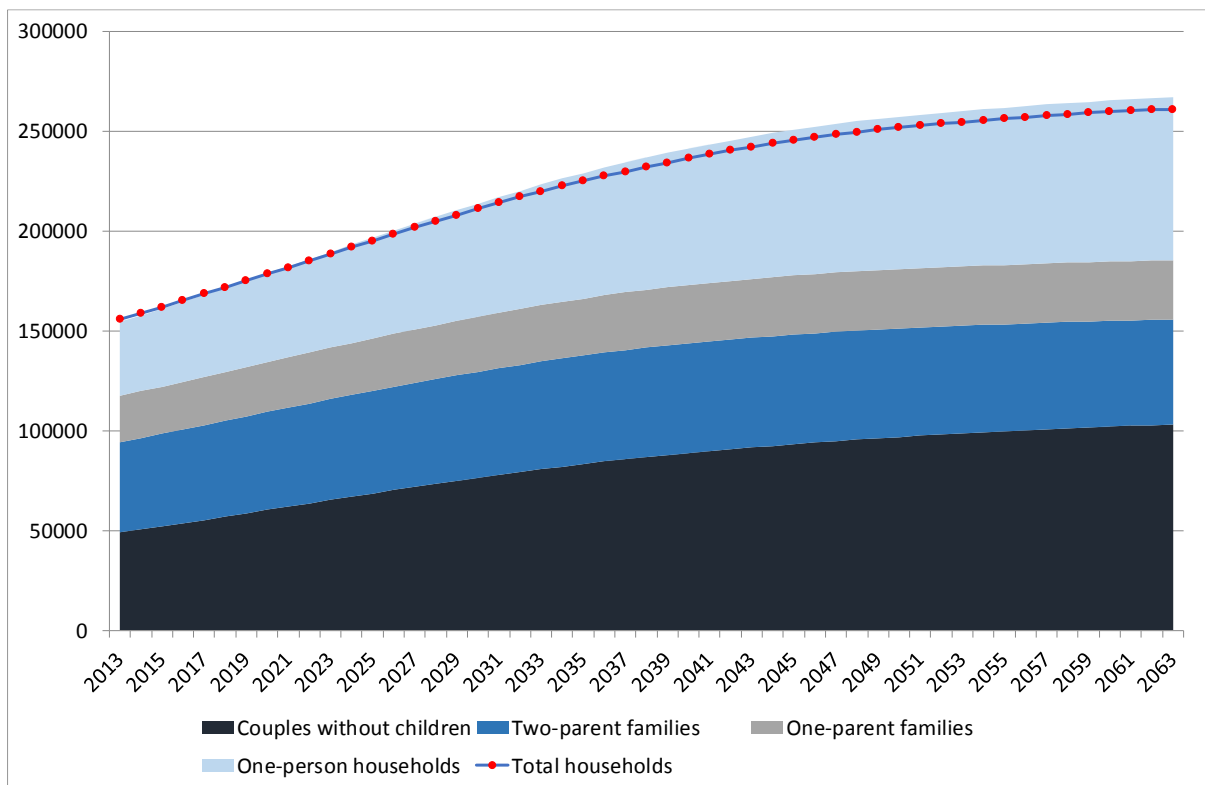
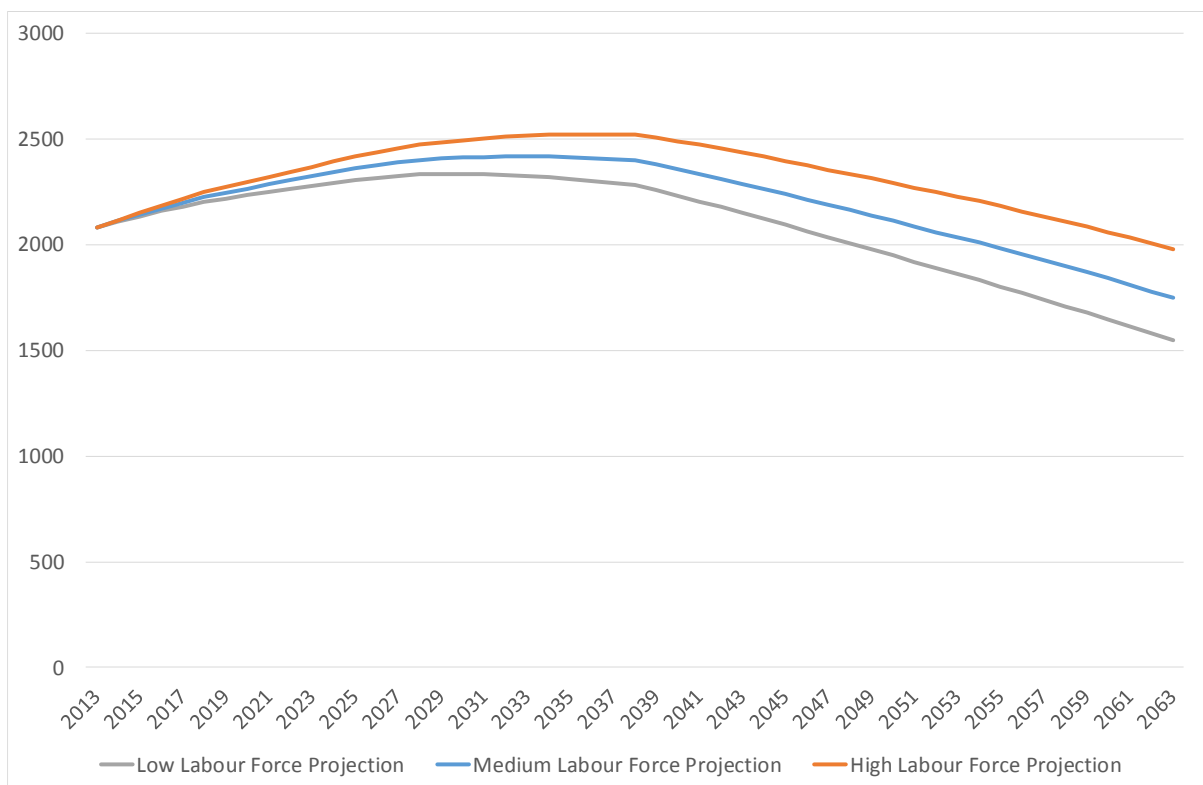


Figure 79: Combined medium-variant family and household projections for the Waikato Region, 2013-2063



The combined labour force projections for the Waikato Region are shown in Figure 80. The estimated labour force in June 2013 is 223,055. In the medium-variant projection, the labour force grows to a peak of 341,474 in 2058 before declining to 339,311 in 2063. In the low-variant projection, the labour force grows to a peak of 303,572 in 2043 before declining to 289,069 in 2063. In the high-variant projection, the labour force grows throughout the projection period, to 398,581 in 2063.

Figure 80: Combined labour force projections for the Waikato Region, 2013-2063



4. Discussion and Conclusion

This report briefly outlined the methods and results of updated Territorial-Authority-level population projections for the Waikato Region from 2013 to 2063. The overall picture is one of regional population growth, albeit growth that is slowing and that reverses towards the end of the projection period. This overall picture, though, masks substantial variation in the projected population growth experience of the component territorial authorities (TAs).

Based on the results here, we can identify seven unique growth experiences of the TAs. Most of the TAs are projected to experience a period of population growth followed by eventual

decline. However, the mechanisms underlying this pattern of growth and decline differ. First, Thames-Coromandel District is projected to experience sustained natural decrease (more deaths than births) and positive net migration (more in-migration than out-migration) that gradually becomes negative (more out-migration than in-migration). It is the only TA that experiences sustained natural decrease throughout the projection period, due to having the oldest age structure of all Waikato TAs.

Second, Hauraki and Taupo Districts are projected to experience natural increase (more births than deaths) that gradually becomes natural decrease, alongside positive net migration that gradually becomes negative. These two TAs share an old age structure, though not as old as Thames-Coromandel District.

Third, Otorohanga District is projected to experience sustained natural increase alongside sustained negative net migration. Otorohanga has a relatively youthful population and a slow rate of population ageing.

Fourth, Matamata-Piako District is projected to experience sustained natural increase alongside sustained negative net migration. While this is similar to Otorohanga District, Matamata-Piako District is not projected to experience overall population decline.

Fifth, Waitomo and South Waikato Districts, and part-Rotorua District, are projected to experience natural increase that gradually becomes natural decrease, alongside sustained negative net migration. These TAs experience a substantial degree of population ageing.

Sixth, Waipa District is projected to experience natural increase that gradually becomes natural decrease, alongside positive net migration. These changes occur because Waipa District experiences the most rapid ageing of any of the TAs in the region.

Finally, there are only two TAs (Waikato District and Hamilton City) are projected to experience sustained growth throughout the projection period that is comprised of both sustained natural increase and sustained positive net migration. Although they have the youngest age profiles of the TAs in 2013, both TAs are subject to substantial population ageing, especially Hamilton City.

Overall, the number of households is projected to closely follow the trajectory of the population for each territorial authority. However, there is a substantial change in the distribution of households and families, with fewer couples with children and two-parent families, and more one-parent families and one-person households.

The labour force projections show a sustained increase in the labour force to 2038, after which the labour force begins to decline. However, given the significant population ageing that the region will experience the size of the future labour force depends crucially on the incentives (or disincentives) provided for older people to remain in the paid workforce.

To conclude, the demographic futures (Myers, 2001) experienced by the component territorial authorities of the Waikato Region cannot be determined with complete accuracy. All of these areas are faced with a complex and changing national and international environment, and it is

not possible to perfectly foresee all of the factors that might impact on future population. However, the projections presented in this report should assist planners in better understanding the demographic changes that they are faced with, and the sources and factors that underlie those demographic changes. In short, these projections are simply one tool that should be used in evaluating possible futures for the region.

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Appendix I

Appendix Table A1: Population projections for Thames-Coromandel District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	27,340	27,340	27,340	-	-	-
2014	27,283	27,415	27,547	-0.2%	0.3%	0.8%
2015	27,254	27,514	27,775	-0.1%	0.4%	0.8%
2016	27,243	27,627	28,016	0.0%	0.4%	0.9%
2017	27,248	27,755	28,273	0.0%	0.5%	0.9%
2018	27,262	27,892	28,538	0.1%	0.5%	0.9%
2019	27,282	28,036	28,813	0.1%	0.5%	1.0%
2020	27,304	28,183	29,094	0.1%	0.5%	1.0%
2021	27,320	28,327	29,375	0.1%	0.5%	1.0%
2022	27,335	28,473	29,660	0.1%	0.5%	1.0%
2023	27,337	28,606	29,937	0.0%	0.5%	0.9%
2024	27,332	28,734	30,211	0.0%	0.4%	0.9%
2025	27,317	28,853	30,479	-0.1%	0.4%	0.9%
2026	27,283	28,955	30,731	-0.1%	0.4%	0.8%
2027	27,229	29,038	30,969	-0.2%	0.3%	0.8%
2028	27,162	29,108	31,194	-0.2%	0.2%	0.7%
2029	27,088	29,171	31,414	-0.3%	0.2%	0.7%
2030	27,005	29,223	31,621	-0.3%	0.2%	0.7%
2031	26,915	29,266	31,820	-0.3%	0.1%	0.6%
2032	26,817	29,299	32,009	-0.4%	0.1%	0.6%
2033	26,705	29,316	32,178	-0.4%	0.1%	0.5%
2038	25,949	29,159	32,759	-0.6%	-0.1%	0.4%
2043	24,803	28,514	32,770	-0.9%	-0.4%	0.0%
2048	23,335	27,433	32,240	-1.2%	-0.8%	-0.3%
2053	21,484	25,859	31,114	-1.6%	-1.2%	-0.7%
2058	19,542	24,101	29,712	-1.9%	-1.4%	-0.9%
2063	17,552	22,197	28,058	-2.1%	-1.6%	-1.1%

Appendix Table A2: Population projections for Hauraki District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	18,620	18,620	18,620	-	-	-
2014	18,519	18,605	18,690	-0.5%	-0.1%	0.4%
2015	18,446	18,612	18,780	-0.4%	0.0%	0.5%
2016	18,395	18,640	18,888	-0.3%	0.1%	0.6%
2017	18,354	18,676	19,004	-0.2%	0.2%	0.6%
2018	18,327	18,725	19,133	-0.1%	0.3%	0.7%
2019	18,318	18,793	19,281	0.0%	0.4%	0.8%
2020	18,315	18,866	19,435	0.0%	0.4%	0.8%
2021	18,319	18,947	19,599	0.0%	0.4%	0.8%
2022	18,325	19,030	19,766	0.0%	0.4%	0.9%
2023	18,328	19,113	19,934	0.0%	0.4%	0.8%
2024	18,323	19,186	20,095	0.0%	0.4%	0.8%
2025	18,311	19,255	20,252	-0.1%	0.4%	0.8%
2026	18,288	19,314	20,402	-0.1%	0.3%	0.7%
2027	18,258	19,366	20,545	-0.2%	0.3%	0.7%
2028	18,224	19,413	20,684	-0.2%	0.2%	0.7%
2029	18,183	19,453	20,815	-0.2%	0.2%	0.6%
2030	18,139	19,489	20,944	-0.2%	0.2%	0.6%
2031	18,091	19,520	21,066	-0.3%	0.2%	0.6%
2032	18,040	19,547	21,184	-0.3%	0.1%	0.6%
2033	17,978	19,562	21,291	-0.3%	0.1%	0.5%
2038	17,507	19,451	21,618	-0.5%	-0.1%	0.3%
2043	16,747	19,007	21,581	-0.9%	-0.5%	0.0%
2048	15,793	18,320	21,260	-1.2%	-0.7%	-0.3%
2053	14,705	17,449	20,715	-1.4%	-1.0%	-0.5%
2058	13,608	16,524	20,075	-1.5%	-1.1%	-0.6%
2063	12,479	15,520	19,312	-1.7%	-1.2%	-0.8%

Appendix Table A3: Population projections for Waikato District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	66,530	66,530	66,530	-	-	-
2014	67,342	67,559	67,775	1.2%	1.5%	1.9%
2015	68,180	68,619	69,060	1.2%	1.6%	1.9%
2016	69,042	69,712	70,387	1.3%	1.6%	1.9%
2017	69,911	70,818	71,738	1.3%	1.6%	1.9%
2018	70,799	71,954	73,130	1.3%	1.6%	1.9%
2019	71,709	73,124	74,568	1.3%	1.6%	2.0%
2020	72,626	74,310	76,036	1.3%	1.6%	2.0%
2021	73,547	75,513	77,537	1.3%	1.6%	2.0%
2022	74,469	76,729	79,063	1.3%	1.6%	2.0%
2023	75,395	77,962	80,625	1.2%	1.6%	2.0%
2024	76,317	79,205	82,212	1.2%	1.6%	2.0%
2025	77,241	80,462	83,828	1.2%	1.6%	2.0%
2026	78,157	81,723	85,465	1.2%	1.6%	2.0%
2027	79,069	82,992	87,123	1.2%	1.6%	1.9%
2028	79,982	84,271	88,807	1.2%	1.5%	1.9%
2029	80,902	85,567	90,519	1.2%	1.5%	1.9%
2030	81,824	86,872	92,252	1.1%	1.5%	1.9%
2031	82,738	88,175	93,991	1.1%	1.5%	1.9%
2032	83,647	89,479	95,742	1.1%	1.5%	1.9%
2033	84,537	90,770	97,489	1.1%	1.4%	1.8%
2038	88,538	96,859	105,998	0.9%	1.3%	1.7%
2043	91,488	101,980	113,711	0.7%	1.0%	1.4%
2048	93,408	106,119	120,589	0.4%	0.8%	1.2%
2053	94,531	109,554	126,981	0.2%	0.6%	1.0%
2058	95,499	112,959	133,616	0.2%	0.6%	1.0%
2063	96,377	116,370	140,509	0.2%	0.6%	1.0%

Appendix Table A4: Population projections for Matamata-Piako District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	32,910	32,910	32,910	-	-	-
2014	32,954	33,043	33,133	0.1%	0.4%	0.7%
2015	33,018	33,194	33,371	0.2%	0.5%	0.7%
2016	33,101	33,363	33,628	0.3%	0.5%	0.8%
2017	33,203	33,551	33,904	0.3%	0.6%	0.8%
2018	33,319	33,754	34,197	0.4%	0.6%	0.9%
2019	33,448	33,972	34,506	0.4%	0.6%	0.9%
2020	33,585	34,199	34,827	0.4%	0.7%	0.9%
2021	33,728	34,435	35,160	0.4%	0.7%	1.0%
2022	33,879	34,680	35,505	0.4%	0.7%	1.0%
2023	34,034	34,931	35,858	0.5%	0.7%	1.0%
2024	34,177	35,172	36,203	0.4%	0.7%	1.0%
2025	34,315	35,410	36,548	0.4%	0.7%	1.0%
2026	34,445	35,642	36,888	0.4%	0.7%	0.9%
2027	34,570	35,870	37,227	0.4%	0.6%	0.9%
2028	34,683	36,087	37,557	0.3%	0.6%	0.9%
2029	34,801	36,309	37,893	0.3%	0.6%	0.9%
2030	34,912	36,524	38,222	0.3%	0.6%	0.9%
2031	35,024	36,740	38,552	0.3%	0.6%	0.9%
2032	35,126	36,946	38,872	0.3%	0.6%	0.8%
2033	35,224	37,148	39,189	0.3%	0.5%	0.8%
2038	35,505	37,938	40,552	0.2%	0.4%	0.7%
2043	35,376	38,314	41,511	-0.1%	0.2%	0.5%
2048	35,026	38,466	42,259	-0.2%	0.1%	0.4%
2053	34,549	38,500	42,919	-0.3%	0.0%	0.3%
2058	34,218	38,703	43,791	-0.2%	0.1%	0.4%
2063	33,942	38,978	44,771	-0.2%	0.1%	0.4%

Appendix Table A5: Population projections for Hamilton City, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	150,180	150,180	150,180	-	-	-
2014	152,048	152,513	152,979	1.2%	1.6%	1.9%
2015	153,995	154,928	155,867	1.3%	1.6%	1.9%
2016	155,992	157,401	158,823	1.3%	1.6%	1.9%
2017	158,040	159,933	161,851	1.3%	1.6%	1.9%
2018	160,161	162,550	164,978	1.3%	1.6%	1.9%
2019	162,338	165,234	168,188	1.4%	1.7%	1.9%
2020	164,555	167,970	171,464	1.4%	1.7%	1.9%
2021	166,806	170,751	174,800	1.4%	1.7%	1.9%
2022	169,097	173,584	178,204	1.4%	1.7%	1.9%
2023	171,410	176,454	181,662	1.4%	1.7%	1.9%
2024	173,750	179,366	185,182	1.4%	1.7%	1.9%
2025	176,093	182,299	188,745	1.3%	1.6%	1.9%
2026	178,402	185,214	192,311	1.3%	1.6%	1.9%
2027	180,676	188,111	195,880	1.3%	1.6%	1.9%
2028	182,924	190,998	199,460	1.2%	1.5%	1.8%
2029	185,133	193,862	203,037	1.2%	1.5%	1.8%
2030	187,279	196,677	206,583	1.2%	1.5%	1.7%
2031	189,390	199,469	210,124	1.1%	1.4%	1.7%
2032	191,431	202,205	213,629	1.1%	1.4%	1.7%
2033	193,414	204,895	217,106	1.0%	1.3%	1.6%
2038	202,577	217,775	234,179	0.9%	1.2%	1.5%
2043	210,685	229,794	250,721	0.8%	1.1%	1.4%
2048	217,337	240,510	266,250	0.6%	0.9%	1.2%
2053	221,940	249,243	280,002	0.4%	0.7%	1.0%
2058	225,197	256,711	292,717	0.3%	0.6%	0.9%
2063	226,675	262,493	304,016	0.1%	0.4%	0.8%

Appendix Table A6: Population projections for Waipa District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	48,660	48,660	48,660	-	-	-
2014	49,118	49,302	49,486	0.9%	1.3%	1.7%
2015	49,620	49,989	50,361	1.0%	1.4%	1.8%
2016	50,162	50,720	51,284	1.1%	1.5%	1.8%
2017	50,745	51,496	52,259	1.2%	1.5%	1.9%
2018	51,368	52,318	53,286	1.2%	1.6%	2.0%
2019	52,015	53,170	54,353	1.3%	1.6%	2.0%
2020	52,688	54,056	55,463	1.3%	1.7%	2.0%
2021	53,365	54,954	56,596	1.3%	1.7%	2.0%
2022	54,064	55,884	57,770	1.3%	1.7%	2.1%
2023	54,770	56,829	58,971	1.3%	1.7%	2.1%
2024	55,471	57,777	60,186	1.3%	1.7%	2.1%
2025	56,168	58,730	61,417	1.3%	1.6%	2.0%
2026	56,838	59,663	62,639	1.2%	1.6%	2.0%
2027	57,481	60,577	63,851	1.1%	1.5%	1.9%
2028	58,116	61,488	65,069	1.1%	1.5%	1.9%
2029	58,748	62,401	66,296	1.1%	1.5%	1.9%
2030	59,377	63,316	67,532	1.1%	1.5%	1.9%
2031	59,989	64,217	68,759	1.0%	1.4%	1.8%
2032	60,588	65,105	69,978	1.0%	1.4%	1.8%
2033	61,171	65,979	71,185	1.0%	1.3%	1.7%
2038	63,521	69,780	76,682	0.8%	1.1%	1.5%
2043	64,606	72,241	80,808	0.3%	0.7%	1.1%
2048	64,643	73,538	83,682	0.0%	0.4%	0.7%
2053	63,884	73,940	85,596	-0.2%	0.1%	0.5%
2058	63,195	74,450	87,706	-0.2%	0.1%	0.5%
2063	62,642	75,161	90,159	-0.2%	0.2%	0.6%

Appendix Table A7: Population projections for Otorohanga District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	9,610	9,610	9,610	-	-	-
2014	9,563	9,605	9,648	-0.5%	0.0%	0.4%
2015	9,523	9,608	9,693	-0.4%	0.0%	0.5%
2016	9,492	9,617	9,744	-0.3%	0.1%	0.5%
2017	9,467	9,632	9,800	-0.3%	0.2%	0.6%
2018	9,452	9,656	9,865	-0.2%	0.3%	0.7%
2019	9,446	9,689	9,939	-0.1%	0.3%	0.7%
2020	9,446	9,728	10,019	0.0%	0.4%	0.8%
2021	9,451	9,772	10,104	0.1%	0.4%	0.9%
2022	9,459	9,818	10,193	0.1%	0.5%	0.9%
2023	9,467	9,865	10,282	0.1%	0.5%	0.9%
2024	9,475	9,913	10,373	0.1%	0.5%	0.9%
2025	9,484	9,961	10,465	0.1%	0.5%	0.9%
2026	9,491	10,008	10,557	0.1%	0.5%	0.9%
2027	9,495	10,052	10,644	0.0%	0.4%	0.8%
2028	9,494	10,090	10,727	0.0%	0.4%	0.8%
2029	9,493	10,128	10,810	0.0%	0.4%	0.8%
2030	9,487	10,162	10,889	-0.1%	0.3%	0.7%
2031	9,477	10,191	10,963	-0.1%	0.3%	0.7%
2032	9,461	10,213	11,031	-0.2%	0.2%	0.6%
2033	9,436	10,226	11,089	-0.3%	0.1%	0.5%
2038	9,216	10,187	11,271	-0.5%	-0.1%	0.3%
2043	8,869	10,003	11,295	-0.8%	-0.4%	0.0%
2048	8,458	9,736	11,226	-0.9%	-0.5%	-0.1%
2053	8,007	9,416	11,093	-1.1%	-0.7%	-0.2%
2058	7,488	9,007	10,858	-1.3%	-0.9%	-0.4%
2063	6,874	8,475	10,472	-1.7%	-1.2%	-0.7%

Appendix Table A8: Population projections for South Waikato District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	23,190	23,190	23,190	-	-	-
2014	23,043	23,124	23,205	-0.6%	-0.3%	0.1%
2015	22,920	23,078	23,237	-0.5%	-0.2%	0.1%
2016	22,821	23,054	23,290	-0.4%	-0.1%	0.2%
2017	22,731	23,038	23,350	-0.4%	-0.1%	0.3%
2018	22,656	23,035	23,422	-0.3%	0.0%	0.3%
2019	22,595	23,046	23,509	-0.3%	0.0%	0.4%
2020	22,539	23,063	23,603	-0.2%	0.1%	0.4%
2021	22,488	23,085	23,703	-0.2%	0.1%	0.4%
2022	22,440	23,111	23,809	-0.2%	0.1%	0.4%
2023	22,384	23,129	23,908	-0.2%	0.1%	0.4%
2024	22,315	23,134	23,994	-0.3%	0.0%	0.4%
2025	22,241	23,135	24,077	-0.3%	0.0%	0.3%
2026	22,159	23,127	24,152	-0.4%	0.0%	0.3%
2027	22,066	23,109	24,217	-0.4%	-0.1%	0.3%
2028	21,959	23,076	24,268	-0.5%	-0.1%	0.2%
2029	21,849	23,038	24,312	-0.5%	-0.2%	0.2%
2030	21,728	22,988	24,344	-0.6%	-0.2%	0.1%
2031	21,596	22,927	24,364	-0.6%	-0.3%	0.1%
2032	21,455	22,855	24,372	-0.7%	-0.3%	0.0%
2033	21,306	22,773	24,370	-0.7%	-0.4%	0.0%
2038	20,396	22,172	24,146	-0.9%	-0.5%	-0.2%
2043	19,299	21,353	23,679	-1.1%	-0.8%	-0.4%
2048	18,123	20,426	23,089	-1.2%	-0.9%	-0.5%
2053	16,881	19,408	22,391	-1.4%	-1.0%	-0.6%
2058	15,676	18,397	21,679	-1.5%	-1.1%	-0.6%
2063	14,436	17,318	20,868	-1.6%	-1.2%	-0.8%

Appendix Table A9: Population projections for Waitomo District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	9,295	9,295	9,295	-	-	-
2014	9,203	9,238	9,274	-1.0%	-0.6%	-0.2%
2015	9,117	9,186	9,256	-0.9%	-0.6%	-0.2%
2016	9,036	9,138	9,242	-0.9%	-0.5%	-0.2%
2017	8,960	9,094	9,230	-0.8%	-0.5%	-0.1%
2018	8,889	9,054	9,222	-0.8%	-0.4%	-0.1%
2019	8,820	9,015	9,215	-0.8%	-0.4%	-0.1%
2020	8,756	8,981	9,213	-0.7%	-0.4%	0.0%
2021	8,697	8,952	9,215	-0.7%	-0.3%	0.0%
2022	8,635	8,919	9,214	-0.7%	-0.4%	0.0%
2023	8,571	8,884	9,210	-0.7%	-0.4%	0.0%
2024	8,506	8,848	9,205	-0.8%	-0.4%	-0.1%
2025	8,441	8,811	9,200	-0.8%	-0.4%	-0.1%
2026	8,378	8,777	9,197	-0.7%	-0.4%	0.0%
2027	8,313	8,740	9,192	-0.8%	-0.4%	-0.1%
2028	8,241	8,696	9,178	-0.9%	-0.5%	-0.1%
2029	8,168	8,650	9,163	-0.9%	-0.5%	-0.2%
2030	8,094	8,602	9,146	-0.9%	-0.5%	-0.2%
2031	8,021	8,556	9,131	-0.9%	-0.5%	-0.2%
2032	7,947	8,508	9,114	-0.9%	-0.6%	-0.2%
2033	7,872	8,459	9,095	-0.9%	-0.6%	-0.2%
2038	7,452	8,157	8,935	-1.1%	-0.7%	-0.4%
2043	7,001	7,809	8,718	-1.2%	-0.9%	-0.5%
2048	6,530	7,426	8,455	-1.4%	-1.0%	-0.6%
2053	6,056	7,028	8,164	-1.5%	-1.1%	-0.7%
2058	5,553	6,583	7,814	-1.7%	-1.3%	-0.9%
2063	5,021	6,090	7,396	-2.0%	-1.5%	-1.1%

Appendix Table A10: Population projections for Taupo District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	34,585	34,585	34,585	-	-	-
2014	34,713	34,813	34,914	0.4%	0.7%	0.9%
2015	34,853	35,052	35,252	0.4%	0.7%	1.0%
2016	35,001	35,299	35,598	0.4%	0.7%	1.0%
2017	35,152	35,548	35,948	0.4%	0.7%	1.0%
2018	35,300	35,793	36,295	0.4%	0.7%	1.0%
2019	35,448	36,041	36,646	0.4%	0.7%	1.0%
2020	35,595	36,289	36,999	0.4%	0.7%	1.0%
2021	35,740	36,538	37,357	0.4%	0.7%	1.0%
2022	35,874	36,778	37,708	0.4%	0.7%	0.9%
2023	35,994	37,006	38,049	0.3%	0.6%	0.9%
2024	36,105	37,226	38,386	0.3%	0.6%	0.9%
2025	36,211	37,442	38,719	0.3%	0.6%	0.9%
2026	36,300	37,643	39,040	0.2%	0.5%	0.8%
2027	36,373	37,830	39,349	0.2%	0.5%	0.8%
2028	36,440	38,010	39,654	0.2%	0.5%	0.8%
2029	36,505	38,190	39,959	0.2%	0.5%	0.8%
2030	36,567	38,366	40,259	0.2%	0.5%	0.8%
2031	36,622	38,533	40,551	0.1%	0.4%	0.7%
2032	36,672	38,696	40,838	0.1%	0.4%	0.7%
2033	36,713	38,848	41,114	0.1%	0.4%	0.7%
2038	36,694	39,370	42,250	0.0%	0.3%	0.5%
2043	36,157	39,335	42,803	-0.3%	0.0%	0.3%
2048	35,220	38,851	42,867	-0.5%	-0.2%	0.0%
2053	33,864	37,888	42,400	-0.8%	-0.5%	-0.2%
2058	32,430	36,804	41,776	-0.9%	-0.6%	-0.3%
2063	30,883	35,569	40,971	-1.0%	-0.7%	-0.4%

Appendix Table A11: Population projections for part-Rotorua District, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Low-variant	Medium-variant	High-variant	Low-variant	Medium-variant	High-variant
2013	3,820	3,820	3,820	-	-	-
2014	3,823	3,833	3,842	0.1%	0.3%	0.6%
2015	3,827	3,846	3,865	0.1%	0.3%	0.6%
2016	3,831	3,859	3,887	0.1%	0.3%	0.6%
2017	3,835	3,872	3,909	0.1%	0.3%	0.6%
2018	3,839	3,885	3,931	0.1%	0.3%	0.6%
2019	3,843	3,897	3,953	0.1%	0.3%	0.5%
2020	3,846	3,909	3,974	0.1%	0.3%	0.5%
2021	3,849	3,921	3,995	0.1%	0.3%	0.5%
2022	3,852	3,933	4,017	0.1%	0.3%	0.5%
2023	3,855	3,945	4,038	0.1%	0.3%	0.5%
2024	3,857	3,956	4,058	0.1%	0.3%	0.5%
2025	3,858	3,966	4,078	0.0%	0.3%	0.5%
2026	3,859	3,976	4,097	0.0%	0.2%	0.5%
2027	3,857	3,984	4,115	0.0%	0.2%	0.4%
2028	3,854	3,990	4,132	-0.1%	0.2%	0.4%
2029	3,851	3,996	4,147	-0.1%	0.1%	0.4%
2030	3,847	4,001	4,162	-0.1%	0.1%	0.4%
2031	3,842	4,005	4,177	-0.1%	0.1%	0.3%
2032	3,836	4,008	4,190	-0.2%	0.1%	0.3%
2033	3,828	4,009	4,201	-0.2%	0.0%	0.3%
2038	3,751	3,976	4,218	-0.4%	-0.2%	0.1%
2043	3,614	3,880	4,169	-0.7%	-0.5%	-0.2%
2048	3,424	3,725	4,056	-1.1%	-0.8%	-0.5%
2053	3,197	3,526	3,893	-1.4%	-1.1%	-0.8%
2058	2,956	3,306	3,703	-1.6%	-1.3%	-1.0%
2063	2,719	3,087	3,510	-1.7%	-1.4%	-1.1%

Appendix Table A12: Population projections for the Waikato Region, 2013-2063

Year	Absolute population			Growth Rate (Annualised)		
	Combined low-variant	Combined medium-variant	Combined high-variant	Combined low-variant	Combined medium-variant	Combined high-variant
2013	424,740	424,740	424,740	-	-	-
2014	427,611	429,051	430,492	0.7%	1.0%	1.4%
2015	430,753	433,627	436,516	0.7%	1.1%	1.4%
2016	434,117	438,430	442,787	0.8%	1.1%	1.4%
2017	437,646	443,413	449,265	0.8%	1.1%	1.5%
2018	441,372	448,616	455,998	0.9%	1.2%	1.5%
2019	445,263	454,017	462,970	0.9%	1.2%	1.5%
2020	449,255	459,555	470,127	0.9%	1.2%	1.5%
2021	453,311	465,196	477,441	0.9%	1.2%	1.6%
2022	457,429	470,940	484,909	0.9%	1.2%	1.6%
2023	461,545	476,724	492,474	0.9%	1.2%	1.6%
2024	465,628	482,518	500,105	0.9%	1.2%	1.5%
2025	469,679	488,325	507,808	0.9%	1.2%	1.5%
2026	473,599	494,042	515,479	0.8%	1.2%	1.5%
2027	477,387	499,668	523,113	0.8%	1.1%	1.5%
2028	481,077	505,228	530,729	0.8%	1.1%	1.5%
2029	484,720	510,766	538,365	0.8%	1.1%	1.4%
2030	488,258	516,220	545,955	0.7%	1.1%	1.4%
2031	491,704	521,598	553,498	0.7%	1.0%	1.4%
2032	495,019	526,862	560,959	0.7%	1.0%	1.3%
2033	498,184	531,986	568,307	0.6%	1.0%	1.3%
2038	511,104	554,825	602,608	0.5%	0.8%	1.2%
2043	518,645	572,231	631,766	0.3%	0.6%	0.9%
2048	521,298	584,550	655,972	0.1%	0.4%	0.8%
2053	519,097	591,812	675,269	-0.1%	0.2%	0.6%
2058	515,360	597,546	693,446	-0.1%	0.2%	0.5%
2063	509,600	601,259	710,041	-0.2%	0.1%	0.5%

Appendix II

Appendix Table A13: Medium-variant family and household projections for Thames Coromandel District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,504	2,131	1,178	7,813	7,671	305	3,632	11,607
2014	4,611	2,132	1,175	7,918	7,766	304	3,670	11,739
2015	4,721	2,130	1,175	8,026	7,865	303	3,720	11,888
2016	4,835	2,131	1,177	8,143	7,972	303	3,782	12,057
2017	4,940	2,134	1,179	8,253	8,071	304	3,851	12,226
2018	5,052	2,127	1,179	8,358	8,167	302	3,917	12,386
2019	5,160	2,119	1,176	8,455	8,254	299	3,989	12,542
2020	5,276	2,110	1,171	8,558	8,346	297	4,064	12,707
2021	5,384	2,107	1,167	8,658	8,435	294	4,139	12,869
2022	5,480	2,104	1,166	8,750	8,517	292	4,223	13,031
2023	5,578	2,091	1,161	8,830	8,587	289	4,299	13,174
2024	5,670	2,078	1,155	8,903	8,650	286	4,373	13,309
2025	5,767	2,061	1,148	8,976	8,713	284	4,445	13,442
2026	5,847	2,050	1,144	9,041	8,768	282	4,516	13,565
2027	5,917	2,039	1,141	9,097	8,813	280	4,583	13,676
2028	5,990	2,017	1,134	9,141	8,848	278	4,649	13,775
2029	6,054	1,993	1,128	9,175	8,872	276	4,712	13,860
2030	6,120	1,971	1,120	9,211	8,899	273	4,768	13,939
2031	6,174	1,952	1,114	9,240	8,918	269	4,823	14,011
2032	6,223	1,931	1,109	9,263	8,932	265	4,876	14,074
2033	6,270	1,905	1,097	9,272	8,933	263	4,928	14,123
2038	6,437	1,753	1,042	9,231	8,852	243	5,098	14,193
2043	6,447	1,587	978	9,012	8,641	232	5,204	14,077
2048	6,328	1,407	900	8,634	8,279	217	5,175	13,672
2053	6,079	1,234	817	8,130	7,796	200	5,006	13,003
2058	5,749	1,078	735	7,562	7,251	183	4,741	12,175
2063	5,343	939	653	6,935	6,650	164	4,440	11,254

Appendix Table A14: Low-variant family and household projections for Thames Coromandel District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,504	2,131	1,178	7,813	7,671	305	3,632	11,607
2014	4,589	2,123	1,170	7,883	7,732	302	3,650	11,684
2015	4,677	2,114	1,165	7,956	7,796	300	3,681	11,777
2016	4,768	2,106	1,162	8,037	7,868	299	3,725	11,891
2017	4,851	2,100	1,159	8,110	7,932	297	3,774	12,003
2018	4,939	2,085	1,154	8,178	7,991	294	3,821	12,107
2019	5,022	2,069	1,146	8,237	8,041	290	3,874	12,205
2020	5,112	2,052	1,137	8,301	8,095	286	3,929	12,311
2021	5,193	2,040	1,127	8,360	8,146	282	3,983	12,412
2022	5,262	2,028	1,121	8,411	8,188	278	4,045	12,512
2023	5,332	2,007	1,112	8,450	8,218	274	4,100	12,592
2024	5,396	1,986	1,101	8,482	8,241	271	4,152	12,663
2025	5,463	1,961	1,089	8,513	8,263	268	4,200	12,731
2026	5,514	1,941	1,081	8,536	8,277	264	4,248	12,788
2027	5,553	1,922	1,073	8,548	8,282	261	4,290	12,832
2028	5,597	1,891	1,061	8,550	8,275	258	4,332	12,865
2029	5,630	1,860	1,051	8,541	8,259	255	4,369	12,883
2030	5,666	1,830	1,039	8,535	8,245	251	4,400	12,896
2031	5,691	1,803	1,028	8,522	8,226	246	4,429	12,901
2032	5,710	1,775	1,019	8,504	8,201	242	4,456	12,899
2033	5,730	1,742	1,003	8,474	8,164	239	4,483	12,886
2038	5,761	1,559	929	8,248	7,909	216	4,532	12,657
2043	5,656	1,371	849	7,875	7,552	201	4,521	12,274
2048	5,439	1,183	759	7,381	7,078	184	4,395	11,657
2053	5,105	1,012	672	6,789	6,510	165	4,152	10,827
2058	4,709	863	590	6,161	5,908	147	3,840	9,896
2063	4,263	732	511	5,506	5,279	129	3,515	8,923

Appendix Table A15: High-variant family and household projections for Thames Coromandel District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,504	2,131	1,178	7,813	7,671	305	3,632	11,607
2014	4,633	2,140	1,180	7,953	7,800	305	3,689	11,795
2015	4,765	2,147	1,185	8,097	7,934	306	3,759	11,999
2016	4,902	2,156	1,192	8,250	8,077	308	3,841	12,226
2017	5,031	2,168	1,200	8,398	8,213	310	3,929	12,452
2018	5,168	2,170	1,204	8,542	8,346	310	4,015	12,671
2019	5,302	2,171	1,207	8,679	8,472	308	4,107	12,888
2020	5,446	2,170	1,207	8,823	8,605	308	4,204	13,117
2021	5,582	2,176	1,208	8,965	8,735	307	4,301	13,343
2022	5,707	2,182	1,212	9,101	8,859	306	4,408	13,573
2023	5,835	2,179	1,212	9,226	8,973	304	4,508	13,784
2024	5,959	2,174	1,211	9,345	9,079	303	4,607	13,988
2025	6,088	2,167	1,210	9,464	9,187	302	4,704	14,193
2026	6,201	2,165	1,211	9,577	9,287	301	4,801	14,389
2027	6,303	2,163	1,214	9,680	9,379	300	4,896	14,574
2028	6,411	2,151	1,212	9,773	9,460	299	4,990	14,749
2029	6,508	2,136	1,211	9,855	9,530	299	5,082	14,911
2030	6,609	2,122	1,209	9,939	9,602	297	5,167	15,066
2031	6,697	2,113	1,207	10,017	9,668	294	5,252	15,214
2032	6,779	2,101	1,208	10,088	9,728	291	5,334	15,353
2033	6,859	2,084	1,200	10,144	9,772	289	5,416	15,478
2038	7,189	1,971	1,169	10,329	9,904	273	5,733	15,911
2043	7,346	1,835	1,127	10,308	9,884	267	5,988	16,139
2048	7,359	1,671	1,066	10,095	9,680	256	6,093	16,029
2053	7,236	1,502	994	9,732	9,332	242	6,034	15,609
2058	7,014	1,345	916	9,275	8,894	228	5,851	14,972
2063	6,693	1,204	833	8,730	8,371	209	5,606	14,186

Appendix Table A16: Medium-variant family and household projections for Hauraki District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	2,604	1,733	1,058	5,395	5,266	194	2,208	7,668
2014	2,662	1,733	1,058	5,454	5,318	194	2,235	7,747
2015	2,722	1,737	1,061	5,519	5,377	195	2,270	7,842
2016	2,790	1,738	1,062	5,590	5,440	195	2,310	7,945
2017	2,852	1,744	1,070	5,666	5,509	195	2,353	8,058
2018	2,915	1,749	1,075	5,739	5,575	196	2,398	8,168
2019	2,980	1,745	1,073	5,797	5,626	195	2,445	8,265
2020	3,044	1,744	1,073	5,861	5,683	194	2,491	8,368
2021	3,107	1,740	1,071	5,919	5,734	192	2,539	8,465
2022	3,165	1,741	1,069	5,975	5,782	191	2,590	8,562
2023	3,225	1,740	1,070	6,035	5,835	190	2,638	8,663
2024	3,283	1,734	1,069	6,086	5,879	190	2,685	8,754
2025	3,335	1,728	1,070	6,133	5,919	188	2,735	8,842
2026	3,385	1,718	1,069	6,173	5,951	187	2,786	8,924
2027	3,433	1,709	1,069	6,211	5,982	186	2,837	9,005
2028	3,481	1,701	1,068	6,250	6,015	185	2,881	9,080
2029	3,523	1,692	1,068	6,283	6,040	183	2,928	9,152
2030	3,564	1,680	1,065	6,309	6,059	183	2,970	9,212
2031	3,604	1,663	1,062	6,329	6,074	183	3,019	9,275
2032	3,643	1,642	1,061	6,346	6,084	181	3,065	9,330
2033	3,682	1,621	1,057	6,360	6,092	180	3,105	9,377
2038	3,833	1,494	1,017	6,344	6,048	175	3,285	9,509
2043	3,892	1,349	957	6,198	5,908	171	3,397	9,476
2048	3,887	1,196	883	5,966	5,688	164	3,412	9,264
2053	3,816	1,068	795	5,679	5,414	155	3,346	8,916
2058	3,705	956	716	5,376	5,125	145	3,233	8,503
2063	3,522	848	659	5,028	4,794	133	3,120	8,047

Appendix Table A17: Low-variant family and household projections for Hauraki District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	2,604	1,733	1,058	5,395	5,266	194	2,208	7,668
2014	2,651	1,727	1,054	5,433	5,297	193	2,224	7,714
2015	2,700	1,724	1,053	5,477	5,336	193	2,249	7,778
2016	2,757	1,720	1,050	5,526	5,379	192	2,278	7,849
2017	2,807	1,719	1,054	5,580	5,426	192	2,311	7,928
2018	2,859	1,717	1,054	5,630	5,469	191	2,346	8,005
2019	2,911	1,706	1,047	5,665	5,498	189	2,382	8,069
2020	2,963	1,699	1,043	5,705	5,532	188	2,418	8,137
2021	3,013	1,688	1,037	5,739	5,559	185	2,455	8,199
2022	3,058	1,682	1,031	5,771	5,585	183	2,494	8,262
2023	3,105	1,673	1,028	5,806	5,613	182	2,531	8,326
2024	3,150	1,660	1,023	5,832	5,633	181	2,566	8,380
2025	3,188	1,647	1,019	5,854	5,649	178	2,604	8,431
2026	3,223	1,630	1,014	5,868	5,657	177	2,642	8,475
2027	3,257	1,614	1,010	5,880	5,664	175	2,679	8,518
2028	3,291	1,598	1,005	5,894	5,672	173	2,710	8,555
2029	3,318	1,582	1,000	5,900	5,673	171	2,743	8,587
2030	3,345	1,563	993	5,901	5,668	170	2,772	8,610
2031	3,371	1,540	986	5,896	5,658	169	2,807	8,635
2032	3,395	1,513	980	5,888	5,645	168	2,839	8,651
2033	3,419	1,486	972	5,877	5,629	166	2,865	8,660
2038	3,498	1,334	913	5,745	5,477	158	2,972	8,607
2043	3,486	1,172	837	5,495	5,239	151	3,011	8,401
2048	3,411	1,011	753	5,175	4,934	141	2,962	8,037
2053	3,272	880	661	4,814	4,589	130	2,843	7,562
2058	3,102	768	581	4,450	4,243	119	2,687	7,049
2063	2,875	662	523	4,059	3,870	107	2,537	6,514

Appendix Table A18: High-variant family and household projections for Hauraki District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	2,604	1,733	1,058	5,395	5,266	194	2,208	7,668
2014	2,673	1,739	1,062	5,475	5,338	195	2,246	7,779
2015	2,743	1,749	1,069	5,561	5,418	197	2,292	7,907
2016	2,823	1,757	1,074	5,654	5,503	198	2,342	8,043
2017	2,897	1,770	1,087	5,753	5,594	199	2,396	8,189
2018	2,972	1,781	1,096	5,850	5,683	200	2,452	8,335
2019	3,050	1,784	1,099	5,932	5,757	200	2,510	8,467
2020	3,127	1,791	1,103	6,021	5,838	201	2,567	8,606
2021	3,204	1,794	1,107	6,105	5,913	200	2,627	8,740
2022	3,275	1,803	1,108	6,186	5,987	199	2,689	8,875
2023	3,349	1,810	1,115	6,274	6,066	199	2,750	9,016
2024	3,423	1,811	1,119	6,352	6,136	200	2,810	9,146
2025	3,489	1,814	1,124	6,427	6,202	198	2,874	9,274
2026	3,555	1,812	1,128	6,494	6,261	198	2,938	9,398
2027	3,618	1,811	1,132	6,561	6,320	198	3,004	9,521
2028	3,682	1,811	1,136	6,629	6,380	197	3,063	9,639
2029	3,740	1,810	1,141	6,691	6,433	196	3,125	9,754
2030	3,798	1,806	1,142	6,746	6,479	196	3,183	9,858
2031	3,854	1,797	1,144	6,795	6,521	197	3,248	9,965
2032	3,909	1,783	1,148	6,840	6,558	196	3,310	10,064
2033	3,965	1,769	1,150	6,883	6,593	196	3,366	10,155
2038	4,201	1,672	1,134	7,007	6,680	194	3,632	10,506
2043	4,345	1,553	1,094	6,991	6,665	194	3,833	10,693
2048	4,430	1,414	1,035	6,879	6,558	191	3,932	10,682
2053	4,451	1,295	956	6,702	6,389	185	3,941	10,514
2058	4,425	1,189	882	6,496	6,194	177	3,890	10,261
2063	4,315	1,085	830	6,230	5,939	167	3,837	9,944

Appendix Table A19: Medium-variant family and household projections for Waikato District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	7,400	7,936	3,415	18,750	17,960	502	4,536	22,998
2014	7,694	8,041	3,471	19,206	18,379	510	4,679	23,568
2015	8,001	8,151	3,535	19,688	18,822	518	4,830	24,171
2016	8,328	8,270	3,608	20,205	19,299	528	4,995	24,822
2017	8,649	8,384	3,676	20,709	19,761	538	5,163	25,462
2018	8,978	8,488	3,740	21,205	20,215	547	5,334	26,096
2019	9,301	8,588	3,800	21,689	20,657	555	5,513	26,725
2020	9,629	8,700	3,867	22,196	21,120	564	5,694	27,378
2021	9,955	8,826	3,937	22,717	21,595	572	5,883	28,050
2022	10,279	8,950	4,002	23,231	22,062	580	6,075	28,717
2023	10,607	9,061	4,072	23,741	22,525	587	6,267	29,379
2024	10,929	9,168	4,138	24,235	22,973	594	6,463	30,030
2025	11,247	9,290	4,211	24,748	23,437	600	6,661	30,698
2026	11,551	9,429	4,275	25,255	23,895	604	6,865	31,364
2027	11,853	9,567	4,343	25,763	24,353	610	7,068	32,030
2028	12,157	9,691	4,416	26,264	24,803	615	7,269	32,687
2029	12,456	9,807	4,490	26,753	25,240	620	7,474	33,334
2030	12,741	9,936	4,562	27,239	25,675	624	7,674	33,973
2031	13,018	10,062	4,627	27,707	26,092	627	7,879	34,598
2032	13,286	10,187	4,687	28,160	26,494	629	8,079	35,202
2033	13,548	10,312	4,750	28,611	26,893	633	8,277	35,802
2038	14,779	10,824	5,022	30,626	28,653	644	9,265	38,561
2043	15,795	11,245	5,235	32,275	30,196	675	10,164	41,035
2048	16,831	11,443	5,401	33,676	31,506	703	10,939	43,147
2053	17,901	11,506	5,554	34,961	32,709	734	11,579	45,022
2058	18,933	11,566	5,675	36,174	33,843	759	12,187	46,790
2063	19,833	11,672	5,801	37,306	34,903	778	12,797	48,477

Appendix Table A20: Low-variant family and household projections for Waikato District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	7,400	7,936	3,415	18,750	17,960	502	4,536	22,998
2014	7,672	8,015	3,459	19,146	18,322	508	4,665	23,494
2015	7,956	8,098	3,510	19,565	18,704	515	4,800	24,019
2016	8,258	8,188	3,569	20,015	19,116	523	4,950	24,589
2017	8,552	8,272	3,623	20,447	19,511	530	5,101	25,143
2018	8,853	8,344	3,671	20,868	19,894	537	5,255	25,686
2019	9,147	8,411	3,715	21,273	20,261	544	5,416	26,220
2020	9,443	8,488	3,766	21,698	20,645	550	5,578	26,773
2021	9,736	8,578	3,817	22,131	21,038	556	5,747	27,342
2022	10,026	8,663	3,865	22,554	21,420	562	5,918	27,899
2023	10,317	8,735	3,916	22,969	21,793	567	6,087	28,447
2024	10,601	8,801	3,964	23,366	22,149	572	6,260	28,981
2025	10,879	8,881	4,016	23,776	22,516	576	6,433	29,525
2026	11,142	8,975	4,060	24,177	22,875	578	6,611	30,064
2027	11,401	9,066	4,109	24,576	23,231	581	6,787	30,598
2028	11,661	9,143	4,160	24,965	23,576	585	6,959	31,119
2029	11,913	9,213	4,212	25,338	23,906	588	7,133	31,626
2030	12,151	9,293	4,263	25,706	24,230	590	7,302	32,122
2031	12,379	9,369	4,307	26,055	24,536	590	7,475	32,602
2032	12,597	9,446	4,346	26,388	24,827	591	7,641	33,058
2033	12,807	9,521	4,388	26,717	25,112	592	7,805	33,508
2038	13,744	9,788	4,551	28,084	26,275	592	8,598	35,464
2043	14,414	9,974	4,655	29,044	27,172	608	9,274	37,055
2048	15,044	9,963	4,712	29,719	27,804	619	9,803	38,227
2053	15,657	9,829	4,751	30,237	28,289	634	10,179	39,101
2058	16,220	9,678	4,756	30,654	28,679	642	10,505	39,826
2063	16,668	9,549	4,759	30,976	28,980	645	10,817	40,443

Appendix Table A21: High-variant family and household projections for Waikato District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	7,400	7,936	3,415	18,750	17,960	502	4,536	22,998
2014	7,716	8,067	3,483	19,266	18,437	512	4,694	23,642
2015	8,047	8,204	3,561	19,812	18,940	522	4,860	24,323
2016	8,399	8,352	3,647	20,398	19,482	534	5,041	25,057
2017	8,746	8,497	3,731	20,974	20,014	546	5,226	25,785
2018	9,104	8,633	3,810	21,548	20,542	557	5,414	26,513
2019	9,458	8,768	3,887	22,113	21,061	567	5,612	27,239
2020	9,819	8,916	3,972	22,707	21,606	578	5,812	27,996
2021	10,178	9,082	4,060	23,320	22,168	588	6,023	28,779
2022	10,539	9,246	4,144	23,929	22,726	598	6,237	29,561
2023	10,906	9,400	4,234	24,540	23,284	608	6,452	30,344
2024	11,268	9,550	4,322	25,140	23,831	617	6,674	31,121
2025	11,629	9,719	4,415	25,763	24,398	625	6,897	31,921
2026	11,977	9,907	4,501	26,385	24,964	632	7,130	32,726
2027	12,325	10,096	4,593	27,013	25,534	639	7,363	33,536
2028	12,677	10,271	4,689	27,637	26,100	647	7,595	34,342
2029	13,026	10,441	4,787	28,253	26,656	655	7,831	35,143
2030	13,363	10,624	4,883	28,871	27,213	661	8,066	35,940
2031	13,693	10,806	4,973	29,472	27,754	667	8,307	36,728
2032	14,016	10,988	5,057	30,061	28,282	671	8,543	37,496
2033	14,335	11,171	5,144	30,650	28,809	676	8,779	38,265
2038	15,897	11,971	5,544	33,412	31,259	701	9,987	41,947
2043	17,315	12,677	5,888	35,881	33,569	750	11,143	45,462
2048	18,837	13,140	6,193	38,170	35,710	797	12,210	48,718
2053	20,471	13,465	6,493	40,430	37,825	851	13,175	51,851
2058	22,100	13,817	6,772	42,689	39,938	897	14,140	54,975
2063	23,594	14,262	7,073	44,928	42,033	937	15,137	58,107

Appendix Table A22: Medium-variant family and household projections for Matamata-Piako District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,305	3,641	1,484	9,431	9,175	314	3,207	12,695
2014	4,382	3,655	1,490	9,527	9,260	313	3,235	12,808
2015	4,471	3,655	1,492	9,618	9,340	313	3,262	12,914
2016	4,559	3,668	1,502	9,730	9,439	312	3,294	13,046
2017	4,662	3,668	1,507	9,836	9,533	313	3,338	13,184
2018	4,759	3,671	1,515	9,945	9,630	312	3,379	13,321
2019	4,844	3,688	1,524	10,056	9,728	308	3,419	13,455
2020	4,930	3,700	1,534	10,164	9,823	307	3,464	13,594
2021	5,010	3,719	1,547	10,276	9,922	304	3,510	13,735
2022	5,095	3,733	1,558	10,386	10,018	300	3,562	13,880
2023	5,179	3,744	1,566	10,490	10,109	297	3,609	14,015
2024	5,250	3,758	1,579	10,587	10,194	295	3,657	14,146
2025	5,321	3,775	1,589	10,685	10,278	293	3,706	14,277
2026	5,386	3,794	1,602	10,781	10,361	291	3,760	14,412
2027	5,450	3,813	1,613	10,875	10,441	288	3,809	14,538
2028	5,510	3,829	1,626	10,965	10,518	286	3,864	14,668
2029	5,575	3,834	1,634	11,043	10,582	285	3,917	14,784
2030	5,630	3,851	1,647	11,127	10,653	283	3,962	14,899
2031	5,686	3,863	1,659	11,207	10,720	281	4,004	15,005
2032	5,724	3,879	1,673	11,276	10,776	279	4,053	15,107
2033	5,773	3,890	1,685	11,347	10,833	277	4,101	15,211
2038	5,959	3,896	1,724	11,578	11,002	267	4,315	15,584
2043	6,058	3,874	1,745	11,677	11,096	269	4,491	15,856
2048	6,165	3,806	1,736	11,707	11,125	273	4,593	15,991
2053	6,269	3,749	1,723	11,742	11,158	274	4,636	16,068
2058	6,413	3,724	1,717	11,855	11,265	273	4,654	16,192
2063	6,562	3,710	1,713	11,985	11,389	269	4,689	16,348

Appendix Table A23: Low-variant family and household projections for Matamata-Piako District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,305	3,641	1,484	9,431	9,175	314	3,207	12,695
2014	4,370	3,649	1,486	9,505	9,239	312	3,223	12,773
2015	4,448	3,641	1,485	9,574	9,297	311	3,239	12,847
2016	4,525	3,647	1,492	9,664	9,375	309	3,260	12,945
2017	4,616	3,639	1,492	9,747	9,447	309	3,294	13,049
2018	4,702	3,634	1,496	9,832	9,520	307	3,325	13,152
2019	4,775	3,642	1,501	9,919	9,595	302	3,355	13,252
2020	4,849	3,644	1,507	10,001	9,665	300	3,390	13,356
2021	4,918	3,654	1,515	10,087	9,740	296	3,426	13,461
2022	4,991	3,657	1,522	10,170	9,810	292	3,468	13,570
2023	5,064	3,658	1,526	10,248	9,876	288	3,505	13,669
2024	5,123	3,661	1,534	10,318	9,934	286	3,543	13,763
2025	5,183	3,666	1,539	10,388	9,992	283	3,582	13,857
2026	5,236	3,674	1,547	10,457	10,049	281	3,625	13,955
2027	5,289	3,681	1,553	10,523	10,103	277	3,664	14,044
2028	5,337	3,685	1,561	10,584	10,152	275	3,708	14,136
2029	5,390	3,679	1,565	10,633	10,189	273	3,750	14,213
2030	5,433	3,683	1,573	10,689	10,233	271	3,785	14,289
2031	5,477	3,684	1,579	10,740	10,273	268	3,816	14,357
2032	5,504	3,688	1,588	10,781	10,302	265	3,853	14,421
2033	5,541	3,687	1,595	10,823	10,332	263	3,890	14,486
2038	5,662	3,639	1,608	10,909	10,367	250	4,045	14,662
2043	5,689	3,566	1,605	10,860	10,320	248	4,157	14,724
2048	5,717	3,450	1,573	10,739	10,205	247	4,198	14,651
2053	5,733	3,345	1,537	10,615	10,087	245	4,185	14,517
2058	5,783	3,268	1,508	10,560	10,035	240	4,152	14,427
2063	5,834	3,201	1,481	10,515	9,992	233	4,130	14,355

Appendix Table A24: High-variant family and household projections for Matamata-Piako District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,305	3,641	1,484	9,431	9,175	314	3,207	12,695
2014	4,394	3,662	1,493	9,549	9,282	313	3,247	12,842
2015	4,494	3,669	1,499	9,662	9,382	315	3,285	12,982
2016	4,594	3,690	1,513	9,797	9,504	315	3,328	13,148
2017	4,708	3,697	1,521	9,927	9,621	317	3,383	13,321
2018	4,817	3,709	1,534	10,060	9,741	317	3,435	13,493
2019	4,914	3,735	1,547	10,196	9,864	314	3,485	13,662
2020	5,012	3,757	1,562	10,330	9,984	314	3,541	13,838
2021	5,105	3,786	1,579	10,470	10,109	311	3,597	14,017
2022	5,201	3,810	1,595	10,607	10,231	308	3,660	14,200
2023	5,298	3,833	1,608	10,739	10,349	306	3,717	14,373
2024	5,381	3,859	1,626	10,865	10,461	305	3,776	14,542
2025	5,464	3,887	1,641	10,992	10,573	303	3,836	14,712
2026	5,541	3,918	1,659	11,118	10,684	302	3,901	14,887
2027	5,617	3,950	1,675	11,242	10,794	299	3,962	15,054
2028	5,690	3,979	1,694	11,363	10,899	298	4,028	15,226
2029	5,767	3,996	1,707	11,471	10,993	297	4,094	15,383
2030	5,835	4,026	1,726	11,587	11,093	296	4,151	15,540
2031	5,904	4,052	1,743	11,698	11,189	294	4,204	15,688
2032	5,955	4,080	1,763	11,798	11,274	293	4,265	15,832
2033	6,016	4,104	1,781	11,901	11,362	292	4,326	15,979
2038	6,273	4,171	1,848	12,292	11,681	285	4,606	16,572
2043	6,454	4,208	1,898	12,560	11,935	292	4,857	17,084
2048	6,651	4,198	1,917	12,766	12,132	301	5,029	17,462
2053	6,858	4,202	1,932	12,992	12,346	307	5,139	17,792
2058	7,114	4,244	1,955	13,312	12,650	310	5,220	18,181
2063	7,381	4,300	1,982	13,664	12,985	311	5,326	18,621

Appendix Table A25: Medium-variant family and household projections for Hamilton City, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	14,556	15,683	8,944	39,182	37,195	3,305	11,885	52,385
2014	15,044	16,033	9,119	40,197	38,121	3,333	12,212	53,666
2015	15,558	16,399	9,301	41,257	39,090	3,352	12,559	55,001
2016	16,045	16,750	9,465	42,260	40,002	3,341	12,926	56,270
2017	16,549	17,097	9,631	43,277	40,926	3,320	13,327	57,572
2018	17,127	17,434	9,802	44,363	41,913	3,308	13,762	58,982
2019	17,705	17,762	9,962	45,429	42,879	3,298	14,220	60,396
2020	18,282	18,102	10,134	46,519	43,866	3,287	14,690	61,843
2021	18,841	18,402	10,283	47,526	44,774	3,289	15,170	63,232
2022	19,394	18,704	10,428	48,527	45,674	3,285	15,667	64,625
2023	19,994	19,002	10,571	49,567	46,609	3,277	16,181	66,067
2024	20,614	19,287	10,726	50,628	47,561	3,295	16,725	67,581
2025	21,227	19,580	10,890	51,697	48,520	3,314	17,265	69,099
2026	21,848	19,819	11,044	52,711	49,425	3,342	17,805	70,572
2027	22,454	20,050	11,196	53,699	50,304	3,365	18,360	72,029
2028	23,104	20,285	11,349	54,738	51,229	3,404	18,929	73,561
2029	23,773	20,515	11,502	55,790	52,165	3,428	19,513	75,106
2030	24,422	20,736	11,650	56,809	53,068	3,442	20,088	76,597
2031	25,090	20,930	11,796	57,815	53,957	3,461	20,668	78,086
2032	25,742	21,093	11,926	58,762	54,789	3,471	21,227	79,487
2033	26,415	21,271	12,073	59,758	55,666	3,467	21,826	80,959
2038	29,609	21,964	12,640	64,214	59,538	3,386	24,661	87,585
2043	32,355	22,567	13,113	68,035	63,082	3,452	27,437	93,971
2048	34,853	22,961	13,492	71,306	66,115	3,506	29,932	99,552
2053	36,968	23,243	13,823	74,034	68,644	3,544	32,064	104,252
2058	38,675	23,470	14,095	76,240	70,689	3,585	33,852	108,125
2063	40,015	23,571	14,303	77,888	72,218	3,630	35,404	111,251

Appendix Table A26: Low-variant family and household projections for Hamilton City, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	14,556	15,683	8,944	39,182	37,195	3,305	11,885	52,385
2014	14,995	16,001	9,098	40,095	38,024	3,323	12,165	53,512
2015	15,457	16,333	9,259	41,049	38,893	3,330	12,466	54,689
2016	15,892	16,649	9,401	41,941	39,700	3,309	12,787	55,796
2017	16,340	16,959	9,543	42,842	40,514	3,276	13,140	56,931
2018	16,858	17,256	9,689	43,804	41,385	3,252	13,526	58,162
2019	17,374	17,542	9,823	44,739	42,228	3,230	13,933	59,391
2020	17,886	17,838	9,968	45,693	43,088	3,208	14,349	60,645
2021	18,377	18,093	10,090	46,560	43,864	3,200	14,773	61,837
2022	18,862	18,348	10,207	47,417	44,629	3,188	15,211	63,028
2023	19,390	18,596	10,321	48,307	45,424	3,171	15,664	64,259
2024	19,937	18,829	10,446	49,211	46,231	3,182	16,143	65,555
2025	20,473	19,067	10,580	50,120	47,040	3,193	16,616	66,849
2026	21,016	19,253	10,702	50,971	47,793	3,213	17,086	68,092
2027	21,542	19,428	10,822	51,792	48,518	3,228	17,566	69,312
2028	22,109	19,605	10,942	52,656	49,281	3,258	18,058	70,597
2029	22,692	19,775	11,060	53,527	50,049	3,274	18,562	71,885
2030	23,254	19,935	11,174	54,362	50,782	3,279	19,055	73,115
2031	23,831	20,067	11,283	55,181	51,499	3,288	19,550	74,337
2032	24,392	20,168	11,378	55,939	52,157	3,290	20,024	75,470
2033	24,970	20,282	11,486	56,739	52,853	3,278	20,532	76,663
2038	27,647	20,644	11,851	60,142	55,764	3,147	22,882	81,792
2043	29,840	20,895	12,105	62,839	58,264	3,157	25,112	86,534
2048	31,735	20,935	12,263	64,934	60,206	3,155	27,035	90,396
2053	33,205	20,863	12,374	66,442	61,604	3,138	28,577	93,319
2058	34,246	20,731	12,427	67,404	62,497	3,123	29,766	95,386
2063	34,891	20,472	12,408	67,772	62,837	3,114	30,682	96,633

Appendix Table A27: High-variant family and household projections for Hamilton City, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	14,556	15,683	8,944	39,182	37,195	3,305	11,885	52,385
2014	15,094	16,065	9,140	40,298	38,218	3,344	12,258	53,820
2015	15,659	16,464	9,343	41,467	39,288	3,374	12,652	55,314
2016	16,200	16,851	9,531	42,582	40,306	3,374	13,067	56,747
2017	16,760	17,236	9,720	43,717	41,341	3,365	13,516	58,222
2018	17,400	17,613	9,917	44,930	42,448	3,365	14,002	59,815
2019	18,042	17,984	10,104	46,130	43,541	3,367	14,514	61,422
2020	18,688	18,370	10,304	47,362	44,661	3,367	15,041	63,069
2021	19,317	18,717	10,481	48,514	45,705	3,379	15,580	64,664
2022	19,942	19,068	10,655	49,666	46,746	3,386	16,139	66,271
2023	20,617	19,418	10,829	50,865	47,829	3,385	16,720	67,934
2024	21,317	19,758	11,015	52,090	48,935	3,412	17,333	69,680
2025	22,010	20,107	11,212	53,330	50,052	3,440	17,946	71,438
2026	22,715	20,403	11,399	54,517	51,119	3,476	18,562	73,157
2027	23,407	20,693	11,585	55,685	52,164	3,508	19,197	74,869
2028	24,147	20,989	11,774	56,911	53,263	3,556	19,850	76,669
2029	24,910	21,285	11,964	58,158	54,379	3,590	20,523	78,492
2030	25,654	21,572	12,150	59,377	55,467	3,613	21,188	80,268
2031	26,421	21,832	12,335	60,587	56,544	3,642	21,862	82,048
2032	27,174	22,061	12,505	61,740	57,566	3,662	22,517	83,745
2033	27,950	22,309	12,693	62,951	58,641	3,668	23,217	85,525
2038	31,722	23,369	13,486	68,577	63,584	3,643	26,601	93,828
2043	35,099	24,371	14,210	73,680	68,315	3,774	30,008	102,097
2048	38,296	25,180	14,849	78,325	72,623	3,896	33,175	109,694
2053	41,175	25,891	15,446	82,513	76,505	4,004	36,013	116,522
2058	43,691	26,565	15,990	86,247	79,967	4,114	38,531	122,613
2063	45,897	27,133	16,488	89,518	83,001	4,231	40,876	128,108

Appendix Table A28: Medium-variant family and household projections for Waipa District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	6,108	5,704	2,225	14,036	13,625	384	4,158	18,167
2014	6,354	5,757	2,243	14,353	13,918	389	4,257	18,564
2015	6,617	5,803	2,261	14,681	14,223	393	4,382	18,998
2016	6,895	5,858	2,285	15,039	14,556	399	4,517	19,472
2017	7,187	5,901	2,306	15,394	14,885	405	4,676	19,966
2018	7,493	5,930	2,322	15,745	15,210	412	4,833	20,455
2019	7,790	5,973	2,338	16,101	15,540	415	5,003	20,958
2020	8,090	6,016	2,359	16,465	15,876	418	5,189	21,482
2021	8,394	6,066	2,384	16,844	16,226	421	5,375	22,022
2022	8,694	6,110	2,409	17,212	16,565	421	5,574	22,560
2023	9,003	6,147	2,434	17,584	16,907	422	5,768	23,098
2024	9,310	6,185	2,458	17,953	17,246	426	5,967	23,638
2025	9,603	6,225	2,483	18,312	17,573	428	6,183	24,184
2026	9,900	6,273	2,505	18,679	17,909	431	6,391	24,731
2027	10,170	6,320	2,530	19,020	18,219	432	6,613	25,264
2028	10,447	6,366	2,558	19,371	18,538	434	6,833	25,804
2029	10,732	6,401	2,583	19,716	18,850	436	7,041	26,328
2030	10,988	6,440	2,607	20,035	19,137	437	7,248	26,823
2031	11,253	6,482	2,636	20,372	19,441	439	7,445	27,325
2032	11,493	6,525	2,669	20,687	19,724	440	7,637	27,801
2033	11,714	6,567	2,696	20,977	19,981	440	7,825	28,246
2038	12,698	6,682	2,783	22,164	21,013	430	8,719	30,162
2043	13,261	6,734	2,870	22,865	21,678	436	9,446	31,559
2048	13,667	6,650	2,904	23,222	22,016	439	9,889	32,344
2053	13,992	6,513	2,884	23,389	22,175	443	10,116	32,734
2058	14,423	6,371	2,858	23,652	22,424	445	10,265	33,134
2063	14,868	6,240	2,842	23,950	22,706	447	10,489	33,642

Appendix Table A29: Low-variant family and household projections for Waipa District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	6,108	5,704	2,225	14,036	13,625	384	4,158	18,167
2014	6,326	5,741	2,236	14,303	13,870	387	4,236	18,493
2015	6,560	5,771	2,247	14,579	14,124	390	4,338	18,852
2016	6,807	5,810	2,264	14,881	14,403	394	4,452	19,249
2017	7,066	5,834	2,277	15,178	14,677	399	4,587	19,662
2018	7,338	5,846	2,285	15,469	14,944	403	4,720	20,067
2019	7,599	5,870	2,293	15,762	15,212	405	4,865	20,482
2020	7,860	5,893	2,306	16,059	15,484	406	5,024	20,914
2021	8,124	5,923	2,321	16,368	15,768	407	5,182	21,357
2022	8,382	5,946	2,337	16,665	16,038	406	5,351	21,796
2023	8,647	5,962	2,352	16,961	16,308	406	5,515	22,229
2024	8,909	5,977	2,367	17,253	16,573	408	5,681	22,662
2025	9,156	5,994	2,382	17,532	16,825	409	5,862	23,096
2026	9,405	6,018	2,394	17,817	17,083	410	6,035	23,528
2027	9,626	6,041	2,408	18,076	17,314	410	6,218	23,942
2028	9,854	6,061	2,426	18,341	17,552	410	6,397	24,360
2029	10,088	6,071	2,440	18,599	17,782	411	6,566	24,759
2030	10,293	6,084	2,453	18,831	17,987	411	6,732	25,130
2031	10,506	6,101	2,471	19,079	18,207	411	6,887	25,505
2032	10,694	6,118	2,492	19,305	18,406	411	7,038	25,855
2033	10,865	6,134	2,508	19,507	18,581	410	7,184	26,174
2038	11,588	6,128	2,539	20,255	19,203	393	7,858	27,455
2043	11,909	6,064	2,570	20,543	19,476	392	8,362	28,230
2048	12,074	5,885	2,554	20,513	19,448	387	8,611	28,446
2053	12,147	5,665	2,493	20,305	19,251	384	8,666	28,301
2058	12,295	5,443	2,428	20,166	19,119	379	8,653	28,151
2063	12,437	5,230	2,372	20,039	18,999	374	8,692	28,064

Appendix Table A30: High-variant family and household projections for Waipa District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	6,108	5,704	2,225	14,036	13,625	384	4,158	18,167
2014	6,381	5,772	2,249	14,403	13,967	390	4,279	18,636
2015	6,675	5,835	2,275	14,784	14,323	396	4,425	19,145
2016	6,984	5,907	2,307	15,198	14,710	404	4,584	19,698
2017	7,309	5,967	2,336	15,612	15,097	412	4,766	20,275
2018	7,651	6,015	2,359	16,026	15,482	421	4,948	20,850
2019	7,987	6,077	2,384	16,449	15,875	425	5,144	21,445
2020	8,327	6,140	2,414	16,881	16,278	430	5,359	22,066
2021	8,674	6,212	2,448	17,335	16,699	435	5,575	22,709
2022	9,019	6,278	2,483	17,780	17,111	437	5,806	23,354
2023	9,375	6,339	2,519	18,232	17,530	440	6,034	24,003
2024	9,730	6,400	2,554	18,684	17,948	445	6,268	24,660
2025	10,074	6,465	2,589	19,128	18,357	449	6,522	25,328
2026	10,423	6,539	2,622	19,585	18,777	453	6,771	26,001
2027	10,746	6,613	2,658	20,017	19,174	456	7,035	26,664
2028	11,079	6,686	2,698	20,462	19,582	459	7,300	27,341
2029	11,421	6,749	2,735	20,905	19,987	463	7,555	28,004
2030	11,734	6,816	2,771	21,321	20,366	466	7,809	28,640
2031	12,058	6,887	2,814	21,759	20,765	469	8,053	29,286
2032	12,356	6,959	2,860	22,174	21,141	472	8,293	29,906
2033	12,635	7,029	2,900	22,564	21,492	473	8,528	30,494
2038	13,922	7,286	3,052	24,260	23,000	470	9,682	33,153
2043	14,774	7,477	3,206	25,457	24,135	485	10,680	35,300
2048	15,477	7,512	3,303	26,293	24,928	497	11,367	36,791
2053	16,122	7,484	3,337	26,943	25,544	511	11,818	37,872
2058	16,920	7,454	3,363	27,737	26,297	522	12,182	39,001
2063	17,770	7,441	3,404	28,615	27,130	534	12,659	40,323

Appendix Table A31: Medium-variant family and household projections for Otorohanga District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	1,093	979	425	2,497	2,430	47	744	3,221
2014	1,117	985	431	2,533	2,463	47	750	3,260
2015	1,138	992	434	2,564	2,491	47	755	3,293
2016	1,161	1,007	441	2,609	2,532	47	767	3,346
2017	1,187	1,017	445	2,648	2,567	48	777	3,392
2018	1,213	1,028	451	2,691	2,606	48	787	3,441
2019	1,240	1,035	453	2,728	2,640	48	797	3,484
2020	1,263	1,045	454	2,762	2,670	48	808	3,526
2021	1,284	1,064	456	2,804	2,708	48	820	3,576
2022	1,311	1,074	459	2,844	2,744	48	834	3,626
2023	1,332	1,088	459	2,879	2,775	48	846	3,668
2024	1,357	1,095	459	2,911	2,803	47	857	3,708
2025	1,376	1,106	462	2,944	2,833	47	871	3,751
2026	1,392	1,126	467	2,985	2,870	47	881	3,797
2027	1,408	1,141	468	3,018	2,898	47	894	3,839
2028	1,421	1,157	471	3,049	2,925	46	906	3,877
2029	1,440	1,160	470	3,071	2,944	46	920	3,910
2030	1,456	1,170	472	3,097	2,966	46	931	3,943
2031	1,472	1,180	473	3,126	2,990	46	944	3,981
2032	1,488	1,188	473	3,148	3,010	45	955	4,010
2033	1,500	1,194	476	3,170	3,028	45	963	4,036
2038	1,565	1,188	475	3,228	3,068	44	1,011	4,124
2043	1,631	1,138	462	3,231	3,071	44	1,052	4,166
2048	1,716	1,035	443	3,194	3,036	42	1,094	4,172
2053	1,791	923	416	3,131	2,976	40	1,118	4,134
2058	1,812	820	386	3,018	2,869	37	1,123	4,029
2063	1,741	732	358	2,831	2,691	34	1,125	3,851

Appendix Table A32: Low-variant family and household projections for Otorohanga District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	1,093	979	425	2,497	2,430	47	744	3,221
2014	1,112	982	429	2,524	2,454	47	746	3,247
2015	1,130	986	431	2,547	2,474	47	747	3,267
2016	1,148	998	436	2,582	2,506	47	756	3,308
2017	1,169	1,005	439	2,612	2,532	47	762	3,341
2018	1,190	1,013	442	2,645	2,562	47	769	3,377
2019	1,212	1,017	443	2,672	2,585	47	775	3,407
2020	1,231	1,023	442	2,696	2,606	47	783	3,436
2021	1,247	1,038	442	2,727	2,634	46	792	3,472
2022	1,268	1,044	444	2,756	2,659	46	803	3,508
2023	1,284	1,054	442	2,780	2,680	46	811	3,536
2024	1,304	1,057	440	2,801	2,697	45	819	3,562
2025	1,317	1,064	441	2,822	2,715	45	829	3,590
2026	1,328	1,079	444	2,851	2,741	45	836	3,621
2027	1,339	1,089	444	2,872	2,758	44	845	3,647
2028	1,347	1,100	444	2,891	2,774	43	853	3,670
2029	1,361	1,099	442	2,901	2,781	43	864	3,688
2030	1,370	1,103	442	2,915	2,792	43	871	3,706
2031	1,381	1,109	441	2,931	2,804	43	880	3,728
2032	1,392	1,111	439	2,942	2,812	42	887	3,741
2033	1,399	1,112	440	2,951	2,818	42	892	3,752
2038	1,437	1,083	430	2,949	2,803	40	920	3,764
2043	1,474	1,012	409	2,896	2,753	39	939	3,731
2048	1,525	897	383	2,806	2,667	37	959	3,663
2053	1,562	779	352	2,693	2,559	34	961	3,555
2058	1,547	672	317	2,536	2,410	31	947	3,388
2063	1,449	582	287	2,319	2,204	28	929	3,162

Appendix Table A33: High-variant family and household projections for Otorohanga District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	1,093	979	425	2,497	2,430	47	744	3,221
2014	1,121	988	433	2,542	2,471	47	754	3,273
2015	1,147	997	437	2,582	2,508	47	763	3,318
2016	1,174	1,016	446	2,636	2,558	48	779	3,385
2017	1,205	1,029	452	2,685	2,603	48	792	3,444
2018	1,236	1,043	459	2,738	2,652	49	806	3,506
2019	1,268	1,054	464	2,785	2,695	49	819	3,563
2020	1,296	1,068	466	2,830	2,736	49	834	3,618
2021	1,323	1,090	470	2,883	2,784	49	850	3,683
2022	1,355	1,105	475	2,935	2,832	49	867	3,749
2023	1,381	1,123	477	2,981	2,874	49	882	3,806
2024	1,412	1,134	479	3,025	2,914	49	898	3,861
2025	1,437	1,150	484	3,071	2,955	50	916	3,920
2026	1,459	1,176	492	3,126	3,005	49	929	3,984
2027	1,481	1,196	495	3,172	3,046	49	946	4,042
2028	1,500	1,217	499	3,216	3,086	49	962	4,097
2029	1,525	1,225	501	3,252	3,117	49	981	4,147
2030	1,547	1,240	504	3,291	3,152	49	996	4,197
2031	1,569	1,257	508	3,334	3,190	49	1,014	4,253
2032	1,591	1,270	510	3,371	3,222	49	1,029	4,300
2033	1,610	1,283	515	3,407	3,254	49	1,042	4,344
2038	1,706	1,305	524	3,535	3,360	49	1,114	4,522
2043	1,806	1,279	522	3,607	3,428	49	1,181	4,658
2048	1,933	1,194	513	3,639	3,459	49	1,251	4,759
2053	2,056	1,095	494	3,645	3,465	47	1,303	4,815
2058	2,125	1,001	470	3,596	3,418	45	1,334	4,797
2063	2,092	921	448	3,461	3,290	42	1,366	4,698

Appendix Table A34: Medium-variant family and household projections for South Waikato District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	2,557	2,382	1,558	6,497	6,254	202	2,366	8,822
2014	2,601	2,380	1,564	6,545	6,294	202	2,392	8,888
2015	2,646	2,380	1,570	6,596	6,337	201	2,420	8,958
2016	2,694	2,386	1,582	6,662	6,394	200	2,454	9,048
2017	2,747	2,385	1,592	6,725	6,449	200	2,490	9,139
2018	2,793	2,393	1,606	6,792	6,507	198	2,522	9,227
2019	2,839	2,390	1,611	6,840	6,546	197	2,553	9,296
2020	2,882	2,385	1,611	6,879	6,577	194	2,585	9,356
2021	2,921	2,387	1,614	6,922	6,613	191	2,615	9,419
2022	2,963	2,385	1,617	6,966	6,648	188	2,650	9,486
2023	2,997	2,388	1,619	7,004	6,678	184	2,680	9,542
2024	3,036	2,381	1,619	7,036	6,703	182	2,711	9,595
2025	3,073	2,373	1,618	7,064	6,723	180	2,744	9,647
2026	3,105	2,364	1,616	7,084	6,736	178	2,774	9,688
2027	3,132	2,352	1,614	7,099	6,743	175	2,806	9,724
2028	3,158	2,344	1,615	7,117	6,754	173	2,833	9,760
2029	3,187	2,329	1,614	7,130	6,760	171	2,860	9,791
2030	3,216	2,310	1,613	7,138	6,762	169	2,886	9,816
2031	3,241	2,288	1,607	7,136	6,753	167	2,910	9,831
2032	3,263	2,266	1,603	7,132	6,742	165	2,936	9,843
2033	3,282	2,244	1,596	7,122	6,727	162	2,958	9,848
2038	3,380	2,090	1,540	7,010	6,590	150	3,056	9,797
2043	3,419	1,938	1,457	6,814	6,406	145	3,091	9,642
2048	3,399	1,782	1,367	6,548	6,156	139	3,083	9,379
2053	3,314	1,640	1,284	6,238	5,864	133	3,022	9,019
2058	3,215	1,513	1,193	5,921	5,567	122	2,927	8,616
2063	3,086	1,384	1,099	5,569	5,236	111	2,828	8,175

Appendix Table A35: Low-variant family and household projections for South Waikato District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	2,557	2,382	1,558	6,497	6,254	202	2,366	8,822
2014	2,594	2,375	1,560	6,529	6,279	201	2,385	8,864
2015	2,633	2,370	1,561	6,564	6,306	200	2,405	8,911
2016	2,674	2,370	1,568	6,612	6,347	198	2,432	8,977
2017	2,721	2,363	1,573	6,658	6,384	197	2,462	9,043
2018	2,760	2,365	1,581	6,706	6,424	195	2,487	9,106
2019	2,799	2,356	1,580	6,735	6,446	192	2,511	9,150
2020	2,835	2,344	1,575	6,754	6,458	189	2,537	9,185
2021	2,868	2,338	1,572	6,779	6,475	186	2,560	9,221
2022	2,903	2,329	1,569	6,801	6,491	182	2,588	9,261
2023	2,930	2,324	1,565	6,819	6,502	178	2,611	9,291
2024	2,963	2,309	1,559	6,831	6,507	175	2,636	9,318
2025	2,992	2,293	1,553	6,839	6,508	173	2,662	9,343
2026	3,018	2,276	1,545	6,839	6,502	170	2,686	9,358
2027	3,039	2,256	1,538	6,833	6,490	167	2,711	9,368
2028	3,057	2,240	1,533	6,830	6,481	164	2,731	9,377
2029	3,079	2,216	1,526	6,822	6,468	162	2,751	9,381
2030	3,101	2,190	1,519	6,809	6,450	160	2,769	9,379
2031	3,119	2,160	1,508	6,787	6,423	157	2,787	9,367
2032	3,134	2,130	1,498	6,762	6,393	155	2,805	9,353
2033	3,146	2,101	1,486	6,733	6,360	152	2,820	9,332
2038	3,204	1,915	1,405	6,523	6,133	139	2,878	9,150
2043	3,199	1,735	1,299	6,233	5,860	131	2,870	8,862
2048	3,130	1,557	1,191	5,878	5,527	123	2,820	8,470
2053	2,998	1,397	1,093	5,488	5,159	115	2,718	7,992
2058	2,854	1,255	992	5,101	4,796	104	2,587	7,486
2063	2,683	1,117	890	4,690	4,409	92	2,451	6,952

Appendix Table A36: High-variant family and household projections for South Waikato District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	2,557	2,382	1,558	6,497	6,254	202	2,366	8,822
2014	2,608	2,385	1,569	6,561	6,310	202	2,399	8,911
2015	2,660	2,391	1,579	6,629	6,369	202	2,435	9,006
2016	2,714	2,402	1,596	6,712	6,442	202	2,475	9,120
2017	2,774	2,407	1,612	6,793	6,514	203	2,519	9,236
2018	2,827	2,421	1,631	6,880	6,591	202	2,558	9,351
2019	2,880	2,425	1,642	6,947	6,649	201	2,596	9,446
2020	2,930	2,428	1,649	7,006	6,699	199	2,635	9,533
2021	2,976	2,437	1,658	7,071	6,754	197	2,672	9,623
2022	3,025	2,443	1,667	7,136	6,810	194	2,714	9,718
2023	3,066	2,455	1,675	7,196	6,861	191	2,750	9,802
2024	3,112	2,456	1,681	7,250	6,906	189	2,789	9,884
2025	3,156	2,457	1,687	7,300	6,947	188	2,829	9,964
2026	3,195	2,456	1,691	7,343	6,981	186	2,867	10,034
2027	3,230	2,454	1,696	7,380	7,010	183	2,906	10,099
2028	3,263	2,455	1,703	7,421	7,043	182	2,941	10,165
2029	3,299	2,449	1,709	7,458	7,070	180	2,975	10,226
2030	3,336	2,439	1,714	7,489	7,094	179	3,009	10,281
2031	3,370	2,425	1,715	7,510	7,107	177	3,041	10,325
2032	3,399	2,412	1,717	7,528	7,117	175	3,075	10,368
2033	3,426	2,399	1,716	7,541	7,123	173	3,106	10,401
2038	3,567	2,284	1,691	7,542	7,091	163	3,248	10,502
2043	3,658	2,167	1,637	7,463	7,016	161	3,333	10,510
2048	3,695	2,043	1,573	7,311	6,873	158	3,376	10,407
2053	3,669	1,929	1,512	7,110	6,685	154	3,365	10,204
2058	3,629	1,827	1,440	6,896	6,483	145	3,318	9,947
2063	3,557	1,718	1,360	6,636	6,239	135	3,268	9,642

Appendix Table A37: Medium-variant family and household projections for Waitomo District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	1,022	1,008	516	2,546	2,443	86	909	3,438
2014	1,029	1,012	516	2,556	2,451	85	911	3,447
2015	1,036	1,012	513	2,562	2,454	84	913	3,451
2016	1,050	1,019	517	2,585	2,474	84	916	3,475
2017	1,063	1,018	517	2,597	2,484	83	921	3,488
2018	1,071	1,022	518	2,611	2,494	83	924	3,502
2019	1,079	1,022	515	2,616	2,496	82	929	3,507
2020	1,085	1,023	514	2,622	2,500	82	934	3,516
2021	1,093	1,032	513	2,638	2,513	80	937	3,530
2022	1,102	1,032	511	2,645	2,517	79	944	3,541
2023	1,109	1,035	509	2,653	2,522	79	948	3,549
2024	1,117	1,031	506	2,654	2,521	78	952	3,551
2025	1,128	1,025	504	2,657	2,521	77	957	3,555
2026	1,131	1,030	501	2,662	2,523	76	961	3,560
2027	1,137	1,030	498	2,665	2,524	75	967	3,566
2028	1,135	1,031	497	2,663	2,520	74	975	3,569
2029	1,141	1,023	492	2,656	2,511	73	980	3,564
2030	1,146	1,016	488	2,650	2,503	73	989	3,565
2031	1,148	1,011	485	2,644	2,495	72	995	3,562
2032	1,149	1,008	481	2,638	2,487	71	1,000	3,558
2033	1,148	1,007	478	2,633	2,480	69	999	3,549
2038	1,164	954	453	2,571	2,410	65	1,021	3,496
2043	1,177	890	426	2,494	2,338	64	1,029	3,431
2048	1,186	813	394	2,392	2,243	61	1,027	3,331
2053	1,180	736	361	2,277	2,135	58	1,006	3,199
2058	1,145	664	332	2,140	2,006	54	967	3,027
2063	1,080	598	301	1,979	1,855	50	920	2,824

Appendix Table A38: Low-variant family and household projections for Waitomo District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	1,022	1,008	516	2,546	2,443	86	909	3,438
2014	1,026	1,009	514	2,549	2,444	85	907	3,436
2015	1,030	1,007	510	2,547	2,440	83	906	3,429
2016	1,039	1,011	512	2,562	2,452	83	906	3,441
2017	1,049	1,007	511	2,567	2,454	82	907	3,444
2018	1,054	1,008	510	2,573	2,458	81	907	3,446
2019	1,059	1,005	506	2,570	2,452	80	909	3,441
2020	1,062	1,003	503	2,568	2,449	79	911	3,438
2021	1,067	1,009	500	2,576	2,454	77	911	3,442
2022	1,073	1,006	496	2,575	2,451	77	914	3,441
2023	1,077	1,005	492	2,574	2,448	76	915	3,438
2024	1,082	998	488	2,568	2,439	74	916	3,429
2025	1,089	989	484	2,562	2,432	74	918	3,423
2026	1,090	990	479	2,559	2,426	72	919	3,417
2027	1,093	986	475	2,553	2,418	71	923	3,412
2028	1,088	983	472	2,544	2,407	70	927	3,404
2029	1,091	972	466	2,529	2,391	69	929	3,389
2030	1,093	961	461	2,515	2,376	68	935	3,378
2031	1,092	953	456	2,501	2,360	67	937	3,364
2032	1,090	947	451	2,487	2,345	66	939	3,350
2033	1,086	942	445	2,474	2,330	65	936	3,330
2038	1,086	873	415	2,373	2,225	59	941	3,225
2043	1,082	797	381	2,260	2,119	57	932	3,109
2048	1,072	711	344	2,127	1,994	54	915	2,963
2053	1,047	629	309	1,984	1,860	50	880	2,790
2058	994	553	277	1,824	1,710	45	830	2,585
2063	916	485	246	1,647	1,544	41	773	2,358

Appendix Table A39: High-variant family and household projections for Waitomo District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	1,022	1,008	516	2,546	2,443	86	909	3,438
2014	1,033	1,014	517	2,564	2,458	85	914	3,458
2015	1,043	1,018	516	2,577	2,468	85	920	3,473
2016	1,060	1,027	521	2,608	2,496	85	927	3,509
2017	1,076	1,029	523	2,628	2,513	85	935	3,533
2018	1,087	1,036	527	2,650	2,532	85	942	3,558
2019	1,099	1,039	525	2,663	2,541	84	950	3,575
2020	1,108	1,043	526	2,677	2,553	84	958	3,595
2021	1,119	1,056	527	2,702	2,574	83	965	3,621
2022	1,132	1,060	526	2,718	2,586	82	975	3,644
2023	1,142	1,066	526	2,734	2,599	82	982	3,663
2024	1,153	1,066	525	2,744	2,606	81	989	3,677
2025	1,168	1,063	524	2,755	2,615	81	997	3,693
2026	1,174	1,072	523	2,769	2,625	80	1,005	3,710
2027	1,184	1,075	522	2,781	2,634	79	1,015	3,728
2028	1,185	1,081	523	2,789	2,639	78	1,026	3,743
2029	1,194	1,076	520	2,790	2,638	78	1,035	3,750
2030	1,202	1,073	518	2,794	2,639	78	1,047	3,764
2031	1,208	1,073	516	2,797	2,639	77	1,057	3,772
2032	1,211	1,074	514	2,800	2,639	76	1,065	3,780
2033	1,214	1,078	512	2,804	2,641	75	1,068	3,783
2038	1,248	1,042	496	2,786	2,612	71	1,108	3,791
2043	1,281	995	477	2,753	2,581	71	1,137	3,789
2048	1,312	930	451	2,693	2,524	70	1,155	3,749
2053	1,330	863	423	2,616	2,453	68	1,151	3,671
2058	1,319	797	397	2,513	2,356	64	1,128	3,548
2063	1,274	736	369	2,378	2,230	60	1,095	3,385

Appendix Table A40: Medium-variant family and household projections for Taupo District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,300	3,301	1,778	9,379	9,105	354	3,338	12,797
2014	4,409	3,305	1,787	9,500	9,214	352	3,399	12,964
2015	4,526	3,306	1,792	9,623	9,324	350	3,466	13,140
2016	4,644	3,316	1,804	9,764	9,451	349	3,543	13,344
2017	4,768	3,325	1,816	9,909	9,582	349	3,619	13,551
2018	4,883	3,332	1,829	10,044	9,704	349	3,698	13,751
2019	5,003	3,323	1,833	10,160	9,807	347	3,777	13,930
2020	5,128	3,312	1,834	10,274	9,908	345	3,860	14,112
2021	5,245	3,313	1,840	10,399	10,018	342	3,943	14,303
2022	5,354	3,312	1,843	10,510	10,116	338	4,030	14,483
2023	5,459	3,313	1,849	10,621	10,213	334	4,119	14,666
2024	5,573	3,299	1,851	10,722	10,301	334	4,205	14,840
2025	5,689	3,285	1,852	10,826	10,391	333	4,292	15,015
2026	5,788	3,279	1,854	10,921	10,472	330	4,374	15,177
2027	5,884	3,273	1,854	11,011	10,548	327	4,456	15,331
2028	5,980	3,270	1,858	11,108	10,631	326	4,535	15,492
2029	6,070	3,258	1,860	11,188	10,698	324	4,617	15,639
2030	6,164	3,241	1,862	11,266	10,763	322	4,699	15,784
2031	6,244	3,232	1,864	11,340	10,823	320	4,780	15,923
2032	6,323	3,217	1,865	11,405	10,875	317	4,859	16,050
2033	6,396	3,207	1,868	11,471	10,928	314	4,932	16,174
2038	6,688	3,113	1,857	11,658	11,054	292	5,276	16,623
2043	6,801	3,012	1,822	11,635	11,032	283	5,567	16,882
2048	6,786	2,887	1,778	11,450	10,857	273	5,761	16,892
2053	6,714	2,749	1,711	11,175	10,596	264	5,807	16,667
2058	6,595	2,603	1,654	10,853	10,291	255	5,759	16,304
2063	6,467	2,454	1,577	10,498	9,954	242	5,663	15,858

Appendix Table A41: Low-variant family and household projections for Taupo District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,300	3,301	1,778	9,379	9,105	354	3,338	12,797
2014	4,395	3,298	1,783	9,476	9,190	351	3,386	12,927
2015	4,498	3,293	1,783	9,574	9,276	348	3,441	13,065
2016	4,602	3,296	1,791	9,689	9,379	346	3,505	13,230
2017	4,711	3,298	1,798	9,807	9,484	345	3,568	13,397
2018	4,811	3,299	1,807	9,916	9,580	343	3,634	13,558
2019	4,916	3,282	1,807	10,004	9,657	340	3,700	13,697
2020	5,024	3,264	1,803	10,091	9,731	337	3,769	13,837
2021	5,125	3,258	1,804	10,186	9,813	334	3,838	13,985
2022	5,217	3,249	1,801	10,267	9,882	328	3,911	14,122
2023	5,304	3,242	1,802	10,348	9,951	324	3,985	14,260
2024	5,400	3,221	1,799	10,419	10,010	323	4,056	14,388
2025	5,498	3,198	1,795	10,492	10,070	321	4,127	14,518
2026	5,579	3,185	1,792	10,556	10,122	318	4,194	14,633
2027	5,657	3,171	1,786	10,615	10,169	314	4,258	14,741
2028	5,734	3,160	1,785	10,679	10,221	312	4,320	14,854
2029	5,807	3,139	1,782	10,728	10,258	309	4,385	14,952
2030	5,882	3,114	1,779	10,774	10,293	307	4,450	15,049
2031	5,945	3,097	1,776	10,817	10,324	304	4,513	15,141
2032	6,006	3,074	1,771	10,852	10,347	300	4,575	15,222
2033	6,062	3,055	1,770	10,887	10,371	297	4,630	15,298
2038	6,268	2,922	1,733	10,923	10,357	273	4,885	15,515
2043	6,301	2,784	1,674	10,760	10,202	260	5,082	15,544
2048	6,213	2,629	1,608	10,450	9,908	248	5,187	15,343
2053	6,065	2,468	1,526	10,059	9,537	236	5,156	14,929
2058	5,878	2,301	1,454	9,633	9,134	223	5,047	14,404
2063	5,680	2,133	1,365	9,178	8,702	209	4,901	13,811

Appendix Table A42: High-variant family and household projections for Taupo District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	4,300	3,301	1,778	9,379	9,105	354	3,338	12,797
2014	4,422	3,311	1,791	9,525	9,237	353	3,412	13,002
2015	4,554	3,319	1,800	9,673	9,372	352	3,492	13,216
2016	4,687	3,336	1,817	9,839	9,524	353	3,582	13,459
2017	4,826	3,352	1,833	10,011	9,681	353	3,671	13,706
2018	4,956	3,367	1,851	10,174	9,830	354	3,763	13,947
2019	5,092	3,365	1,861	10,318	9,959	353	3,856	14,168
2020	5,234	3,361	1,867	10,462	10,088	352	3,953	14,394
2021	5,369	3,369	1,878	10,616	10,228	351	4,050	14,629
2022	5,496	3,377	1,886	10,758	10,355	347	4,154	14,856
2023	5,619	3,386	1,897	10,901	10,483	345	4,258	15,085
2024	5,751	3,380	1,904	11,035	10,601	345	4,361	15,307
2025	5,887	3,373	1,912	11,172	10,722	345	4,464	15,532
2026	6,004	3,377	1,919	11,300	10,835	343	4,564	15,742
2027	6,120	3,379	1,924	11,423	10,943	341	4,663	15,948
2028	6,235	3,385	1,934	11,554	11,058	341	4,761	16,160
2029	6,346	3,381	1,942	11,669	11,158	340	4,862	16,360
2030	6,459	3,373	1,949	11,782	11,255	338	4,964	16,557
2031	6,559	3,373	1,957	11,890	11,348	336	5,064	16,749
2032	6,658	3,367	1,964	11,988	11,431	334	5,163	16,928
2033	6,750	3,366	1,973	12,089	11,516	332	5,256	17,104
2038	7,138	3,316	1,990	12,444	11,799	313	5,703	17,815
2043	7,342	3,258	1,983	12,583	11,931	308	6,103	18,341
2048	7,414	3,169	1,965	12,548	11,898	302	6,405	18,605
2053	7,433	3,063	1,919	12,416	11,772	297	6,546	18,614
2058	7,401	2,945	1,882	12,228	11,594	290	6,575	18,459
2063	7,363	2,822	1,822	12,007	11,384	280	6,546	18,210

Appendix Table A43: Medium-variant family and household projections for part-Rotorua District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	692	815	514	2,021	1,930	93	552	2,575
2014	718	816	516	2,050	1,955	93	571	2,620
2015	744	816	517	2,077	1,979	93	591	2,662
2016	772	816	520	2,108	2,007	93	611	2,711
2017	799	818	522	2,139	2,034	93	632	2,759
2018	827	817	525	2,168	2,060	93	652	2,805
2019	853	816	526	2,194	2,083	92	674	2,849
2020	880	812	527	2,219	2,104	92	696	2,892
2021	907	809	529	2,245	2,127	91	719	2,937
2022	931	808	530	2,269	2,148	90	740	2,978
2023	956	805	530	2,292	2,167	90	761	3,017
2024	979	800	531	2,311	2,183	89	783	3,055
2025	1,003	794	531	2,328	2,198	89	805	3,092
2026	1,025	789	532	2,346	2,212	88	827	3,128
2027	1,047	784	532	2,362	2,225	87	849	3,162
2028	1,067	779	531	2,377	2,237	86	870	3,193
2029	1,084	774	532	2,390	2,247	86	891	3,224
2030	1,102	767	531	2,401	2,255	86	912	3,253
2031	1,118	761	531	2,410	2,262	85	933	3,279
2032	1,133	755	530	2,417	2,266	84	951	3,301
2033	1,145	749	528	2,422	2,269	83	968	3,320
2038	1,180	708	511	2,399	2,237	76	1,045	3,357
2043	1,177	665	489	2,332	2,174	70	1,085	3,329
2048	1,154	615	464	2,233	2,082	67	1,094	3,243
2053	1,115	560	435	2,110	1,967	63	1,074	3,104
2058	1,068	508	401	1,978	1,844	59	1,037	2,941
2063	1,016	456	369	1,841	1,717	54	992	2,763

Appendix Table A44: Low-variant family and household projections for part-Rotorua District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	692	815	514	2,021	1,930	93	552	2,575
2014	717	815	515	2,047	1,952	93	570	2,615
2015	741	813	515	2,070	1,972	93	588	2,653
2016	768	813	517	2,098	1,997	92	608	2,697
2017	793	813	519	2,125	2,021	92	627	2,739
2018	819	812	520	2,150	2,043	91	646	2,780
2019	843	808	520	2,172	2,061	90	666	2,818
2020	869	803	520	2,192	2,078	90	687	2,855
2021	893	800	521	2,214	2,097	89	708	2,894
2022	916	797	520	2,233	2,113	88	727	2,928
2023	939	792	520	2,251	2,128	87	747	2,962
2024	959	786	520	2,265	2,140	86	767	2,993
2025	981	778	518	2,278	2,150	86	787	3,023
2026	1,001	772	518	2,291	2,160	85	807	3,052
2027	1,020	765	516	2,302	2,168	84	827	3,079
2028	1,038	758	515	2,311	2,175	83	845	3,103
2029	1,053	752	514	2,319	2,180	83	864	3,126
2030	1,069	743	512	2,324	2,183	82	883	3,148
2031	1,082	736	510	2,329	2,185	81	901	3,167
2032	1,094	728	508	2,330	2,185	80	917	3,182
2033	1,104	720	505	2,330	2,182	79	931	3,193
2038	1,128	671	482	2,282	2,127	71	993	3,192
2043	1,116	621	455	2,191	2,043	65	1,019	3,127
2048	1,082	565	425	2,071	1,931	61	1,015	3,007
2053	1,033	505	392	1,931	1,800	57	984	2,841
2058	977	451	356	1,784	1,664	53	939	2,655
2063	916	397	322	1,636	1,525	47	887	2,459

Appendix Table A45: High-variant family and household projections for part-Rotorua District, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	692	815	514	2,021	1,930	93	552	2,575
2014	719	817	517	2,054	1,959	94	572	2,625
2015	747	818	519	2,083	1,985	93	593	2,671
2016	776	820	522	2,118	2,016	94	615	2,725
2017	805	822	526	2,153	2,048	94	637	2,778
2018	834	823	529	2,187	2,078	94	659	2,830
2019	862	823	532	2,217	2,104	94	682	2,880
2020	892	820	534	2,246	2,130	94	705	2,929
2021	921	819	537	2,277	2,158	93	730	2,981
2022	947	819	539	2,306	2,183	93	753	3,028
2023	975	818	541	2,334	2,207	92	776	3,075
2024	999	815	543	2,358	2,227	92	800	3,119
2025	1,026	810	545	2,381	2,247	92	824	3,163
2026	1,051	807	546	2,404	2,266	91	848	3,206
2027	1,074	803	548	2,425	2,284	91	872	3,247
2028	1,096	799	549	2,445	2,301	90	895	3,286
2029	1,116	796	551	2,463	2,316	90	919	3,324
2030	1,137	791	551	2,480	2,330	89	943	3,362
2031	1,155	788	552	2,495	2,342	89	966	3,397
2032	1,173	783	552	2,508	2,351	88	987	3,427
2033	1,187	779	552	2,518	2,359	87	1,007	3,453
2038	1,235	747	542	2,524	2,353	80	1,099	3,533
2043	1,243	713	527	2,483	2,315	75	1,155	3,546
2048	1,231	671	508	2,409	2,246	73	1,180	3,499
2053	1,204	620	484	2,308	2,152	70	1,173	3,395
2058	1,169	573	453	2,195	2,047	66	1,148	3,261
2063	1,128	523	423	2,074	1,934	62	1,111	3,107

Appendix Table A46: Combined medium-variant family and household projections for the Waikato Region, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	49,141	45,313	23,094	117,548	113,052	5,785	37,537	156,374
2014	50,620	45,849	23,370	119,839	115,140	5,821	38,311	159,272
2015	52,181	46,380	23,651	122,213	117,302	5,849	39,168	162,318
2016	53,773	46,960	23,963	124,695	119,566	5,854	40,116	165,536
2017	55,402	47,489	24,262	127,153	121,802	5,847	41,147	168,796
2018	57,109	47,991	24,561	129,662	124,081	5,847	42,206	172,134
2019	58,793	48,461	24,811	132,065	126,255	5,835	43,317	175,407
2020	60,488	48,949	25,081	134,518	128,472	5,827	44,474	178,773
2021	62,141	49,466	25,340	136,948	130,664	5,823	45,649	182,137
2022	63,768	49,953	25,592	139,313	132,791	5,811	46,889	185,491
2023	65,439	50,416	25,840	141,695	134,928	5,796	48,113	188,838
2024	67,118	50,817	26,092	144,027	137,013	5,816	49,378	192,207
2025	68,769	51,242	26,359	146,370	139,104	5,834	50,663	195,601
2026	70,358	51,672	26,609	148,638	141,121	5,855	51,941	198,917
2027	71,884	52,079	26,858	150,821	143,052	5,871	53,241	202,163
2028	73,451	52,469	27,123	153,043	145,017	5,907	54,543	205,467
2029	75,035	52,786	27,373	155,194	146,909	5,929	55,853	208,691
2030	76,549	53,116	27,617	157,282	148,739	5,937	57,127	211,804
2031	78,049	53,425	27,854	159,328	150,526	5,948	58,401	214,875
2032	79,467	53,691	28,077	161,235	152,179	5,948	59,638	217,764
2033	80,873	53,966	28,304	163,143	153,828	5,934	60,882	220,644
2038	87,292	54,665	29,065	171,022	160,466	5,773	66,751	232,990
2043	92,014	54,998	29,554	176,566	165,622	5,841	71,962	243,425
2048	95,972	54,595	29,761	180,328	169,102	5,885	75,999	250,986
2053	99,140	53,922	29,805	182,867	171,435	5,909	78,774	256,118
2058	101,735	53,273	29,761	184,769	173,175	5,917	80,745	259,837
2063	103,532	52,605	29,674	185,811	174,112	5,912	82,466	262,490

Appendix Table A47: Combined low-variant family and household projections for the Waikato Region, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	49,141	45,313	23,094	117,548	113,052	5,785	37,537	156,374
2014	50,447	45,736	23,306	119,489	114,803	5,801	38,156	158,760
2015	51,830	46,151	23,520	121,501	116,618	5,809	38,861	161,287
2016	53,238	46,608	23,761	123,607	118,521	5,793	39,657	163,971
2017	54,676	47,009	23,987	125,673	120,382	5,765	40,534	166,681
2018	56,183	47,378	24,209	127,770	122,269	5,742	41,437	169,448
2019	57,657	47,709	24,381	129,747	124,036	5,709	42,387	172,132
2020	59,134	48,053	24,570	131,757	125,832	5,681	43,375	174,888
2021	60,562	48,419	24,747	133,727	127,588	5,659	44,375	177,622
2022	61,958	48,748	24,914	135,620	129,266	5,630	45,432	180,327
2023	63,389	49,049	25,076	137,514	130,941	5,599	46,469	183,009
2024	64,822	49,285	25,239	139,346	132,553	5,602	47,539	185,695
2025	66,220	49,538	25,417	141,175	134,160	5,605	48,621	188,386
2026	67,551	49,793	25,576	142,920	135,685	5,611	49,688	190,984
2027	68,817	50,019	25,734	144,569	137,115	5,611	50,767	193,493
2028	70,114	50,225	25,905	146,244	138,566	5,632	51,842	196,039
2029	71,421	50,357	26,058	147,837	139,936	5,637	52,917	198,490
2030	72,656	50,500	26,206	149,362	141,239	5,630	53,953	200,822
2031	73,874	50,620	26,345	150,839	142,495	5,625	54,983	203,104
2032	75,009	50,698	26,471	152,178	143,619	5,610	55,975	205,203
2033	76,129	50,783	26,598	153,510	144,733	5,581	56,968	207,282
2038	81,022	50,556	26,857	158,434	148,640	5,339	61,505	215,484
2043	84,166	49,991	26,838	160,995	150,999	5,310	65,280	221,590
2048	86,442	48,786	26,564	161,793	151,702	5,258	67,900	224,859
2053	87,824	47,371	26,160	161,355	151,247	5,187	69,301	225,735
2058	88,605	45,984	25,685	160,274	150,194	5,107	69,953	225,254
2063	88,611	44,563	25,163	158,337	148,343	5,019	70,312	223,674

Appendix Table A48: Combined high-variant family and household projections for the Waikato Region, 2013-2063

Year	Families				Households			
	Couples without children	Two-parent families	One-parent families	Total families	Family households	Other multi-person households	One-person households	Total households
2013	49,141	45,313	23,094	117,548	113,052	5,785	37,537	156,374
2014	50,794	45,961	23,435	120,190	115,477	5,841	38,466	159,783
2015	52,534	46,610	23,783	122,927	117,988	5,889	39,478	163,355
2016	54,312	47,314	24,166	125,792	120,619	5,916	40,581	167,116
2017	56,137	47,974	24,541	128,652	123,240	5,931	41,770	170,941
2018	58,053	48,613	24,919	131,585	125,924	5,953	42,993	174,870
2019	59,953	49,225	25,251	134,429	128,519	5,963	44,273	178,755
2020	61,877	49,863	25,605	137,345	131,176	5,976	45,608	182,760
2021	63,767	50,539	25,952	140,257	133,827	5,993	46,969	186,788
2022	65,638	51,191	26,293	143,122	136,426	5,999	48,403	190,828
2023	67,563	51,826	26,634	146,023	139,055	6,001	49,829	194,885
2024	69,506	52,403	26,979	148,889	141,644	6,038	51,304	198,986
2025	71,429	53,011	27,344	151,783	144,256	6,073	52,809	203,138
2026	73,295	53,631	27,691	154,618	146,806	6,111	54,316	207,233
2027	75,105	54,233	28,041	157,380	149,282	6,143	55,858	211,283
2028	76,967	54,825	28,410	160,201	151,810	6,196	57,412	215,417
2029	78,854	55,345	28,766	162,965	154,277	6,235	58,982	219,494
2030	80,675	55,883	29,118	165,676	156,689	6,262	60,522	223,473
2031	82,488	56,403	29,464	168,355	159,066	6,290	62,069	227,425
2032	84,221	56,879	29,797	170,897	161,311	6,307	63,582	231,200
2033	85,947	57,369	30,136	173,451	163,561	6,310	65,111	234,983
2038	94,097	59,133	31,477	184,706	173,323	6,243	72,512	252,079
2043	100,662	60,532	32,570	193,764	181,775	6,426	79,417	267,618
2048	106,635	61,122	33,371	201,128	188,632	6,589	85,174	280,394
2053	112,006	61,410	33,990	207,406	194,468	6,734	89,657	290,860
2058	116,907	61,756	34,520	213,183	199,838	6,859	93,318	300,015
2063	121,064	62,145	35,034	218,243	204,536	6,967	96,829	308,332

Appendix III

Appendix Table A49: Medium-variant Labour Force Projections, 2013-2063

Year	Thames-Coromandel District	Hauraki District	Waikato District	Matamata-Piako District	Hamilton City	Waipa District
2013	13,305	8,974	35,453	17,303	79,632	26,599
2014	13,452	9,082	36,320	17,498	81,646	27,227
2015	13,637	9,218	37,249	17,728	83,649	27,847
2016	13,821	9,325	38,193	17,951	85,462	28,514
2017	13,978	9,416	39,121	18,161	87,249	29,114
2018	14,111	9,535	40,056	18,361	89,082	29,737
2019	14,237	9,640	40,960	18,554	91,006	30,386
2020	14,399	9,740	41,904	18,751	92,941	31,003
2021	14,545	9,816	42,841	18,974	94,839	31,690
2022	14,686	9,909	43,813	19,166	96,723	32,296
2023	14,810	10,012	44,776	19,389	98,713	32,948
2024	14,919	10,118	45,746	19,580	100,832	33,625
2025	15,049	10,201	46,704	19,785	102,902	34,247
2026	15,154	10,288	47,635	19,990	104,999	34,926
2027	15,253	10,362	48,553	20,148	107,014	35,545
2028	15,337	10,430	49,469	20,341	109,112	36,119
2029	15,396	10,481	50,334	20,498	111,190	36,695
2030	15,459	10,543	51,201	20,656	113,193	37,239
2031	15,515	10,586	52,072	20,821	115,224	37,823
2032	15,580	10,632	52,946	20,944	117,170	38,368
2033	15,616	10,679	53,805	21,096	119,075	38,880
2038	15,712	10,794	58,055	21,784	128,242	41,306
2043	14,909	10,381	60,775	21,877	133,759	41,930
2048	13,976	9,916	63,397	22,031	138,388	42,364
2053	12,925	9,390	65,797	22,230	141,882	42,725
2058	11,730	8,695	67,834	22,367	144,381	43,111
2063	10,404	7,813	69,257	22,299	145,759	43,126

Appendix Table A49: Medium-variant Labour Force Projections, 2013-2063 ctd.

Year	Otorohanga District	South Waikato District	Waitomo District	Taupo District	Part-Rotorua District	Waikato Region (combined)
2013	5,176	11,138	4,969	18,423	2,083	223,055
2014	5,259	11,245	5,003	18,663	2,112	227,506
2015	5,343	11,345	5,036	18,924	2,141	232,117
2016	5,446	11,445	5,089	19,189	2,172	236,605
2017	5,547	11,535	5,125	19,426	2,199	240,872
2018	5,641	11,622	5,160	19,659	2,226	245,190
2019	5,720	11,711	5,182	19,890	2,244	249,530
2020	5,816	11,794	5,210	20,124	2,266	253,948
2021	5,906	11,870	5,236	20,350	2,285	258,354
2022	5,999	11,924	5,269	20,561	2,304	262,650
2023	6,084	11,997	5,297	20,804	2,322	267,153
2024	6,155	12,072	5,313	21,023	2,342	271,724
2025	6,243	12,142	5,338	21,238	2,360	276,209
2026	6,331	12,189	5,356	21,450	2,376	280,694
2027	6,404	12,226	5,373	21,637	2,389	284,904
2028	6,472	12,265	5,372	21,840	2,401	289,157
2029	6,529	12,299	5,372	21,992	2,408	293,193
2030	6,589	12,324	5,374	22,122	2,412	297,112
2031	6,653	12,336	5,375	22,262	2,415	301,083
2032	6,706	12,342	5,374	22,387	2,418	304,867
2033	6,751	12,349	5,371	22,536	2,420	308,578
2038	6,919	12,302	5,336	23,035	2,398	325,883
2043	6,889	11,812	5,180	22,571	2,288	332,370
2048	6,810	11,328	4,981	22,033	2,164	337,388
2053	6,637	10,776	4,723	21,354	2,034	340,472
2058	6,323	10,104	4,403	20,630	1,897	341,474
2063	5,861	9,257	4,029	19,757	1,749	339,311

Appendix Table A50: Low-variant Labour Force Projections, 2013-2063

Year	Thames-Coromandel District	Hauraki District	Waikato District	Matamata-Piako District	Hamilton City	Waipa District
2013	13,305	8,974	35,453	17,303	79,632	26,599
2014	13,387	9,042	36,199	17,458	81,436	27,134
2015	13,507	9,138	37,002	17,648	83,217	27,657
2016	13,624	9,205	37,815	17,828	84,801	28,224
2017	13,714	9,257	38,606	17,997	86,350	28,720
2018	13,781	9,336	39,398	18,153	87,932	29,236
2019	13,841	9,401	40,152	18,302	89,598	29,775
2020	13,934	9,461	40,942	18,455	91,269	30,277
2021	14,013	9,498	41,718	18,631	92,900	30,845
2022	14,085	9,551	42,523	18,778	94,512	31,331
2023	14,141	9,613	43,311	18,954	96,226	31,858
2024	14,182	9,677	44,101	19,098	98,058	32,405
2025	14,242	9,718	44,872	19,255	99,835	32,894
2026	14,278	9,763	45,611	19,411	101,628	33,433
2027	14,308	9,794	46,330	19,520	103,335	33,913
2028	14,324	9,819	47,043	19,661	105,110	34,344
2029	14,314	9,827	47,694	19,765	106,843	34,770
2030	14,309	9,846	48,343	19,868	108,495	35,163
2031	14,297	9,846	48,988	19,978	110,162	35,591
2032	14,292	9,849	49,632	20,046	111,738	35,981
2033	14,263	9,852	50,256	20,142	113,263	36,338
2038	14,037	9,756	53,216	20,530	120,344	37,953
2043	13,027	9,179	54,603	20,332	123,808	37,881
2048	11,928	8,568	55,818	20,181	126,278	37,616
2053	10,758	7,918	56,768	20,060	127,533	37,267
2058	9,503	7,141	57,358	19,875	127,743	36,916
2063	8,183	6,236	57,382	19,497	126,862	36,232

Appendix Table A50: Low-variant Labour Force Projections, 2013-2063 ctd.

Year	Otorohanga District	South Waikato District	Waitomo District	Taupo District	Part-Rotorua District	Waikato Region (combined)
2013	5,176	11,138	4,969	18,423	2,083	223,055
2014	5,242	11,215	4,988	18,614	2,108	226,822
2015	5,308	11,285	5,005	18,826	2,133	230,725
2016	5,392	11,353	5,042	19,039	2,159	234,483
2017	5,474	11,412	5,062	19,225	2,182	237,998
2018	5,548	11,466	5,080	19,407	2,204	241,541
2019	5,607	11,522	5,087	19,586	2,218	245,088
2020	5,681	11,573	5,098	19,766	2,235	248,693
2021	5,749	11,618	5,109	19,939	2,250	252,271
2022	5,819	11,638	5,125	20,097	2,264	255,723
2023	5,880	11,679	5,136	20,285	2,278	259,361
2024	5,927	11,719	5,136	20,449	2,293	263,043
2025	5,990	11,755	5,144	20,609	2,306	266,620
2026	6,051	11,769	5,146	20,765	2,317	270,172
2027	6,099	11,772	5,146	20,896	2,326	273,438
2028	6,141	11,776	5,129	21,041	2,333	276,722
2029	6,174	11,774	5,112	21,134	2,334	279,740
2030	6,208	11,762	5,097	21,206	2,333	282,628
2031	6,245	11,738	5,081	21,287	2,332	285,544
2032	6,271	11,708	5,062	21,354	2,329	288,263
2033	6,291	11,679	5,042	21,443	2,326	290,895
2038	6,328	11,446	4,922	21,642	2,280	302,454
2043	6,180	10,788	4,690	20,934	2,150	303,572
2048	5,986	10,141	4,423	20,161	2,007	303,106
2053	5,706	9,440	4,108	19,263	1,860	300,680
2058	5,309	8,645	3,745	18,331	1,708	296,273
2063	4,795	7,713	3,345	17,277	1,548	289,069

Appendix Table A51: High-variant Labour Force Projections, 2013-2063

Year	Thames-Coromandel District	Hauraki District	Waikato District	Matamata-Piako District	Hamilton City	Waipa District
2013	13,305	8,974	35,453	17,303	79,632	26,599
2014	13,516	9,121	36,441	17,537	81,856	27,321
2015	13,769	9,298	37,496	17,809	84,081	28,037
2016	14,020	9,446	38,575	18,074	86,127	28,806
2017	14,247	9,578	39,643	18,328	88,157	29,513
2018	14,449	9,739	40,726	18,572	90,247	30,247
2019	14,645	9,885	41,784	18,810	92,437	31,011
2020	14,879	10,028	42,890	19,054	94,645	31,747
2021	15,098	10,146	43,996	19,323	96,821	32,558
2022	15,312	10,281	45,145	19,564	98,988	33,291
2023	15,511	10,429	46,293	19,835	101,268	34,077
2024	15,695	10,580	47,456	20,076	103,689	34,893
2025	15,901	10,709	48,615	20,332	106,069	35,658
2026	16,083	10,842	49,755	20,589	108,486	36,488
2027	16,259	10,964	50,889	20,800	110,831	37,258
2028	16,421	11,079	52,028	21,048	113,273	37,988
2029	16,559	11,179	53,128	21,263	115,721	38,729
2030	16,700	11,291	54,239	21,480	118,101	39,441
2031	16,836	11,383	55,361	21,704	120,525	40,199
2032	16,981	11,478	56,494	21,887	122,873	40,918
2033	17,094	11,576	57,619	22,101	125,191	41,604
2038	17,582	11,944	63,353	23,120	136,668	44,958
2043	17,059	11,743	67,660	23,546	144,522	46,412
2048	16,367	11,481	72,013	24,057	151,675	47,706
2053	15,519	11,140	76,259	24,640	157,858	48,971
2058	14,470	10,588	80,210	25,177	163,184	50,326
2063	13,216	9,790	83,570	25,506	167,453	51,306

Appendix Table A51: High-variant Labour Force Projections, 2013-2063 ctd.

Year	Otorohanga District	South Waikato District	Waitomo District	Taupo District	Part-Rotorua District	Waikato Region (combined)
2013	5,176	11,138	4,969	18,423	2,083	223,055
2014	5,276	11,274	5,019	18,712	2,116	228,190
2015	5,378	11,406	5,068	19,023	2,150	233,514
2016	5,500	11,537	5,137	19,339	2,184	238,745
2017	5,621	11,661	5,189	19,628	2,216	243,782
2018	5,735	11,781	5,240	19,915	2,247	248,899
2019	5,836	11,903	5,279	20,199	2,271	254,061
2020	5,955	12,021	5,324	20,487	2,297	259,327
2021	6,068	12,131	5,367	20,769	2,321	264,600
2022	6,185	12,220	5,418	21,037	2,345	269,786
2023	6,296	12,329	5,463	21,336	2,368	275,207
2024	6,392	12,439	5,497	21,614	2,393	280,724
2025	6,508	12,547	5,540	21,887	2,416	286,181
2026	6,624	12,630	5,576	22,159	2,437	291,669
2027	6,725	12,705	5,611	22,405	2,455	296,902
2028	6,820	12,783	5,628	22,669	2,473	302,209
2029	6,906	12,857	5,646	22,885	2,484	307,356
2030	6,995	12,922	5,668	23,078	2,494	312,409
2031	7,089	12,974	5,688	23,282	2,503	317,545
2032	7,172	13,021	5,706	23,471	2,511	322,511
2033	7,247	13,070	5,723	23,686	2,518	327,428
2038	7,569	13,240	5,788	24,519	2,523	351,264
2043	7,685	12,957	5,725	24,335	2,436	364,080
2048	7,755	12,685	5,613	24,079	2,334	375,767
2053	7,727	12,337	5,434	23,672	2,226	385,782
2058	7,539	11,848	5,181	23,215	2,108	393,845
2063	7,173	11,145	4,857	22,588	1,977	398,581