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HOUSING SUPPLY CAPACITY IN DUBLIN'S URBAN SETTLEMENTS 2014-2018

SEPTEMBER 2014

Prepared by:

FutureAnalytics
Planning + Research + Economics

Housing Supply Capacity in Dublin's Urban Settlements 2014 -2018

Key Findings

- There are **2,233 hectares (ha)** of land **zoned and potentially available for residential development**, which is **2.4%** of the total land area in the Dublin Region.
- This zoned land can deliver approximately **102,500 additional housing units** under the minimum recommended density scenario.
- This can result in the provision of housing for approximately **269,000 additional persons**.
- There is a **minimum housing unit requirement of 35,433 between 2014 - 2018¹**. However, currently there is only a total of **granted (extant) planning permissions for 26,580 units**, resulting in a **shortfall of 8,853 units** over the five-year period.

A breakdown of these figures can be found below:

Local Authority	Zoned for Residential Development	Minimum Housing Requirement (2014-2018)	Granted Planning Permissions	% Surplus/ Deficit
DCC	313 ha	13,751 Units	2,444 Units	- 82%
FCC	1,065 ha	9,617 Units	15,583 Units	+ 62%
DLRCC	302 ha	3,299 Units	6,070 Units	+ 84%
SDCC	553 ha	8,766 Units	2,483 Units	- 72%
Total	2,233 ha	35,433 Units	26,580 Units	- 25%

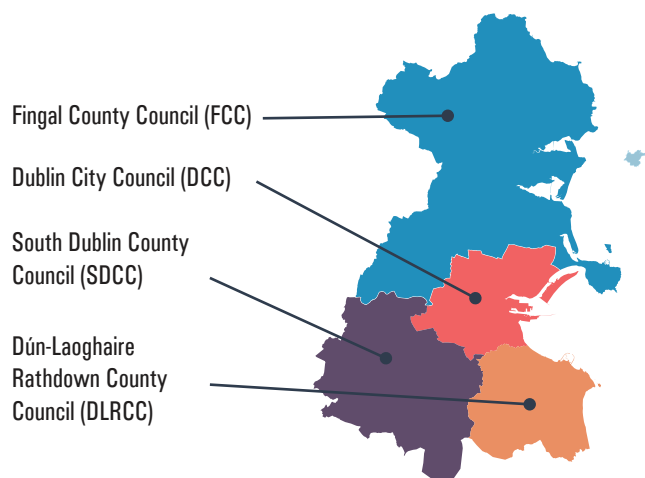


Figure 1: Local Authorities within the Dublin Region

THERE ARE 2,233 ha OF LAND ZONED AND POTENTIALLY AVAILABLE FOR RESIDENTIAL DEVELOPMENT IN THE DUBLIN REGION

THE DUBLIN REGION HAS CAPACITY TO SUPPLY A MINIMUM OF 102,500 ADDITIONAL HOUSING UNITS

A FURTHER 269,000 PERSONS COULD BE ACCOMMODATED IN THE DUBLIN REGION UNDER MINIMUM RECOMMENDED DENSITIES

A SHORTFALL OF OVER 8,853 HOUSING UNITS EXISTS BETWEEN UNITS GRANTED AND THE REGION'S MINIMUM REQUIREMENT (2014-2018)

¹ Based on the methodology applied in the 'Housing Supply Requirements in Ireland's Urban Settlements 2014-2018' publication (Housing Agency/FAC April 2014), which is applicable to the 15 identified urban settlements in the Dublin Region, with Dublin City & Suburbs apportioned out to each local authority. The determination of this minimum housing units requirement is based on the modelling of six key inputs, namely, population projections, intercensal trends, housing stock, household composition, vacancy rates and obsolescence (refer to Appendix 1 for more details).



INTRODUCTION

The Society of Chartered Surveyors Ireland (SCSI) recognises the serious shortage of supply of residential property in the Dublin Region at present. Projected increases in population and changes in Ireland's demographics will result in the formation of a significant number of new households per annum, each requiring a separate dwelling. The SCSI strongly advocates a properly functioning housing market as an essential component to facilitate a return to sustainable economic growth. By commissioning this research, the SCSI hopes to continue to productively contribute to the identification of solutions to address the housing supply shortage, particularly in the Dublin Region.

This report explores the capacity of lands zoned for residential development² within the Dublin Region (comprising the four Dublin local authorities of South Dublin County Council, Dublin City Council, Fingal County Council, and Dun-Laoghaire Rathdown County Council) to deliver the requisite housing units for the projected population of the Dublin Region between 2014-2018, and considers this alongside the quantum of granted (extant) planning permission for residential development. The report has been commissioned by the SCSI, and has been prepared by Future Analytics Consulting (FAC). The analysis contained herein builds off the Housing Agency/FAC publication 'Housing Supply Requirements in Ireland's Urban Settlements 2014-2018' (April, 2014), and maintains the assumptions underpinning the modelling within this earlier research (refer to Appendix 1 for more details).

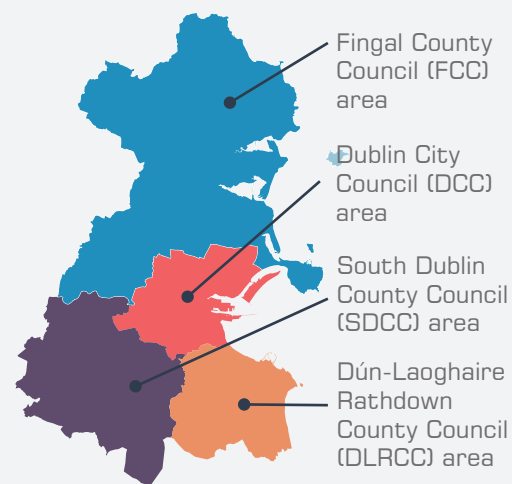


Figure 2: Local Authorities within the Dublin Region

² Those settlements having a resident population of 1,000 persons or more. These account for some 97.6% of the Dublin Region's population in 2011.

Lands zoned for residential development, located within c. 1 km of an urban settlement boundary, are also included in the urban settlement totals.

³ Based on the application of recommended densities per parcel of land zoned for residential development.

⁴ This calculation, and the wider analysis herein, maintains the assumptions underpinning the modelling within the Housing Agency/FAC publication

'Housing Supply Requirements in Ireland's Urban Settlements 2014-2018' (April, 2014), which can also be found in Appendix 1 of the current report.

⁵ Lands zoned for mixed-use development have been excluded from this analysis.

This detailed analysis establishes the **quantum of undeveloped land, zoned for residential development, within the Dublin Region, specifically focussing on the urban settlements** therein. These settlements were defined on the basis of having a resident population of 1,000 persons or more. Collectively, these settlements account for some 1,242,620 persons, or nearly 98% of the population of the Dublin Region in 2011.

A sustainable density framework⁶ has been applied to the identified lands, to ascertain the capacity of these lands to accommodate future populations⁷.

It is prudent to note that this study does not seek to quantify the current demand for housing in the Dublin Region but, based on historic and projected household characteristics, assesses the capacity for supply, and the type of households required (over the period 2014-2018).

For each of the identified urban settlements in the Dublin Region, the **current and future *minimum* housing requirements have been extracted from the Housing Agency/FAC publication** and considered in the context of the capacity for new residential development that exists within these settlements and their immediate environs (on lands zoned for residential development).

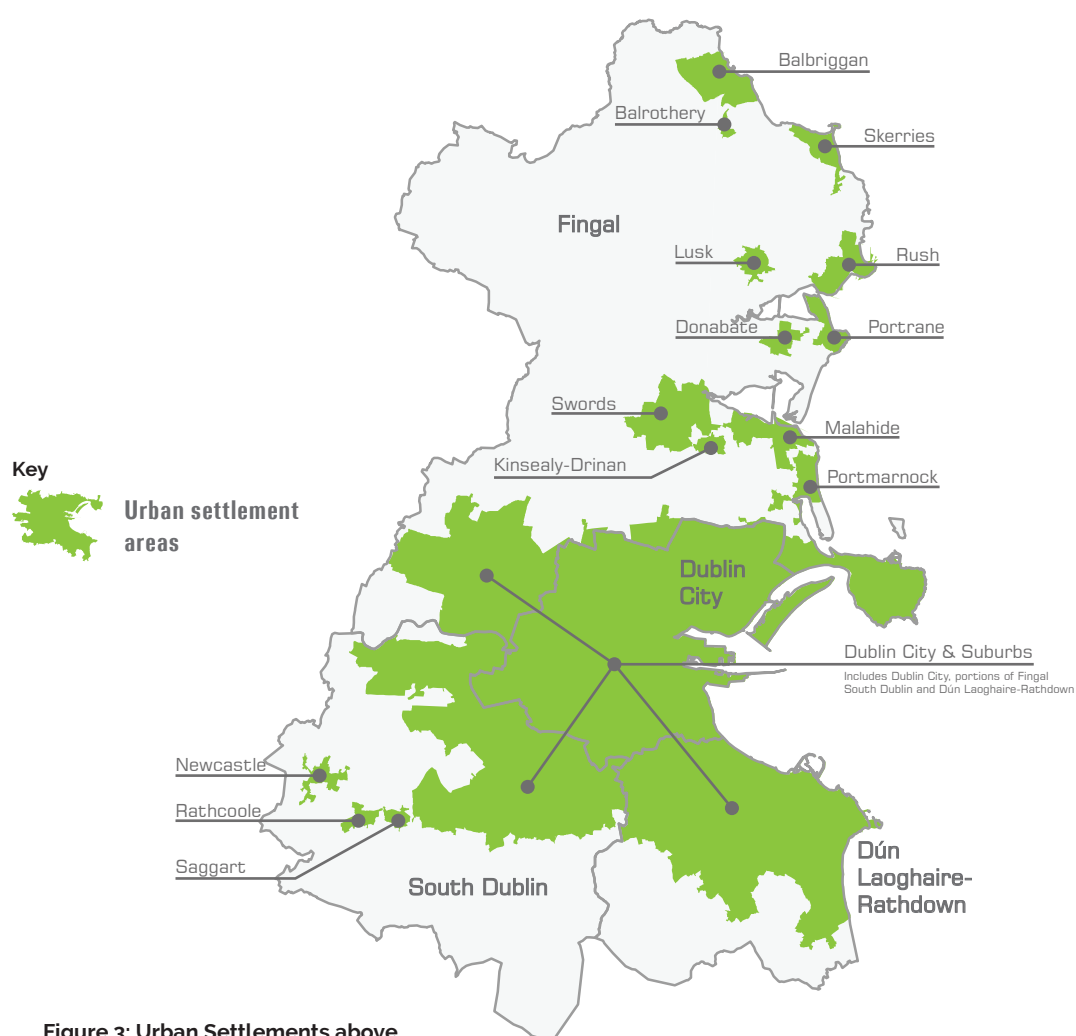


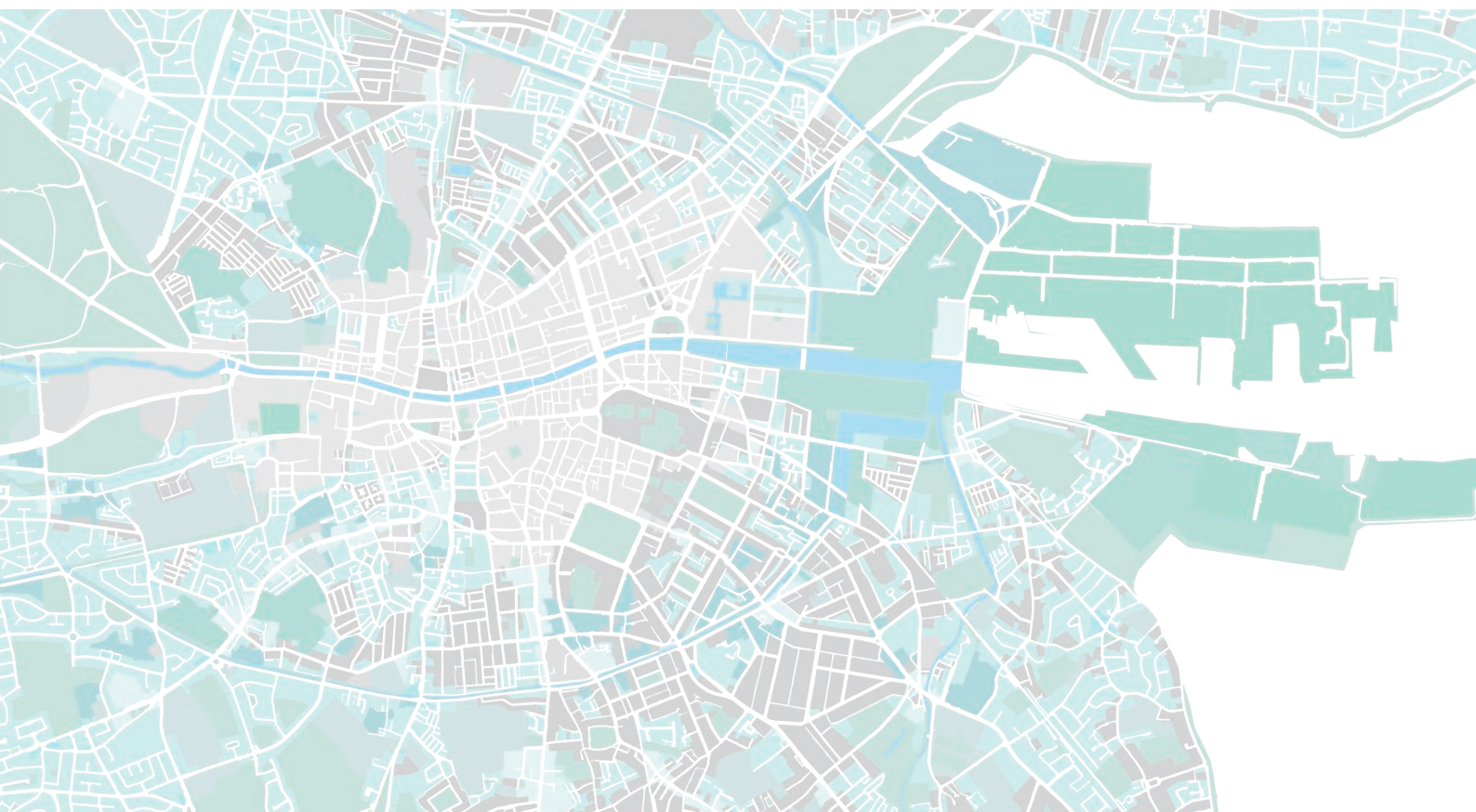
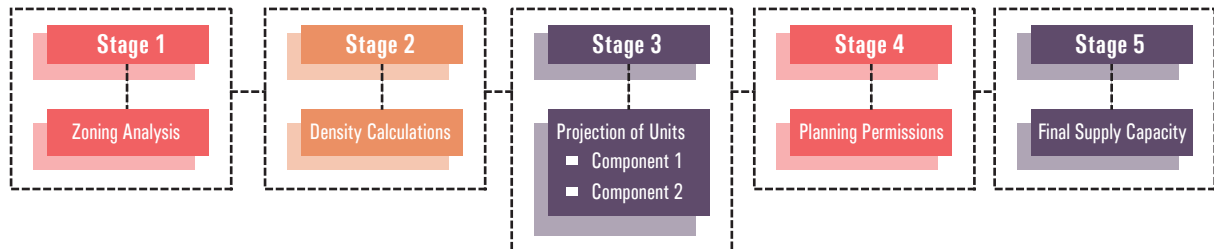
Figure 3: Urban Settlements above 1,000 persons in the Dublin Region

⁶This density framework is based on the analysis of all relevant Local Area Plans and Development Plans, Residential Density Guidelines and relevant public transport policies. See Appendix 2 for further details.

⁷The population projection utilised has been based on the Central Statistics Office (CSO), M2F2 'Traditional' Regional Projections (in comparison with other M2F2 scenarios, these are considered more moderate in their outlook), while proportional household composition was used as an alternative to average household size to clarify how housing units over the study period will be occupied.

In tandem with this analysis, a detailed assessment of planning application decisions has been carried out to determine the quantum of residential units that have already been granted planning permission. This provides an indication of the level of residential development which remains unbuilt, but could be delivered in the short-term.

The following sets out an overview of the different elements of the analysis undertaken to inform this report (refer to the methodology flowchart on page 7 for more details):



Context

The Dublin Region is the national economic engine and driver of economic growth, and was at the forefront of the country's rapid economic expansion during the Celtic Tiger period. The Region has a total land area of c. 92,000 ha and accounts for just 1.35% of the land area of the Republic of Ireland. The Dublin Region, however, supports c. 27.7% (1,273,069 persons) of the total national population (CSO, 2011).

This study assesses the capacity of urban settlements across the Dublin Region to support future residential development up to 2018. According to the 'Housing Supply Requirements in Ireland's Urban Settlements 2014-2018' publication, the total population in these urban settlements is expected to increase from 1,242,620 in 2011 to 1,286,462 by 2018. Accordingly, at a minimum, these settlements will need to accommodate an increase in population of some 43,842 persons over this period.

The following list identifies the urban settlements⁸ in the Dublin Region which have a population in excess of 1,000 persons:

Population of the Dublin Region's Urban Settlements (over 1,000 persons) (CSO, 2011).

Balbriggan	19,960 persons	Kinsealy-Drinan	5,814 persons	Saggart	2,144 persons
Balrothery	1,866 persons	Lusk	7,022 persons	Skerries	9,671 persons
Donabate	6,778 persons	Malahide	15,846 persons	Swords	36,924 persons
Dublin City and Suburbs (DCS)	1,110,627 persons	Newcastle	2,659 persons		
• DCS - Dublin City Council	527,612 persons	Portmarnock	9,285 persons		
• DCS - Fingal	130,436 persons	Portrane	1,372 persons		
• DCS - Dún Laoghaire Rathdown	201,074 persons	Rathcoole	3,421 persons		
• DCS - South Dublin		Rush	9,231 persons		

Approach

It is important to note that this research sets out the total land zoned for residential development in the urban settlements within the Dublin Region. This is considered alongside a full review of extant planning permissions. The research also considers the projected population and minimum housing requirements for the urban settlements over the period 2014-2018, to lend some currency and context to the analysis. It does not purport to suggest that land zoned for residential development should be (nor was planned to be) developed by 2018⁹.

A number of factors need to be considered in bringing forward land zoned for development, to contribute to the overall housing stock, and these should be borne in mind when considering the prospects of the minimum housing requirements being delivered during 2014-2018. These factors include:

Planning

Servicing

Market

Financing

Lands suitable for future residential development have been extracted from the composite land use zoning maps. Each zoning parcel has been assessed to determine if any development has occurred since the relevant Development Plan came into force, and then plotted against the urban settlements used in the study. Density figures have been assigned to each parcel having regard to local, city/county, regional or national planning policy and guidance (see Appendix 2).

⁸ The urban settlements as defined by the Central Statistics Office (and in use for the 2011 Census) are based upon a robust set of spatial conditions which demarcate the boundary of the region's urban areas, including those defined by legislation. See criteria as specified in Census 2011 Appendix 1, p152, CSO, 2011. http://www.cso.ie/en/media/csoie/census/documents/census2011vol1andprofile1/Volume1_Appendices.pdf

⁹ It is important to highlight that the supply capacity encompasses all lands zoned for residential development, and this invariably includes lands zoned for residential development that has a strategic or longer term objective for development. It should not, therefore, be construed from the present date as being excess zoned land, as the population projections for this report extend only to 2018. Indeed, enough land should be zoned to facilitate at least 9 years future supply.

The following sets out the two component approaches in assessing residential density:

Component 1: Household Size

The first component uses the area of undeveloped land (zoned for residential development) multiplied by the density capacity for each parcel, to generate a 'Units per Hectare' figures for each urban settlement (see Appendix 2 for further information on the density framework). This number of units is then merged with the average household size for the county¹⁰ to determine the level of population growth that this quantum of new residential development can accommodate.

Component 2: Household Composition

Component 2 attempts to determine the future requirement for particular household types and, accordingly, the need for units of particular types. It does so by assessing, using historic figures, the distribution in housing composition in the Dublin Region. This split among one-, two-, three-, four- and five or more person households has been projected forward to 2018 to capture the expected minimum housing requirement in these types of dwellings, or as the horizon of the study period is surpassed. This analysis builds off the 'Housing Supply Requirements in Ireland's Urban Settlements 2014-2018' publication. The projected population growth within the Dublin Region, together with the pressures on the residential property market to satisfy emerging housing need must be understood, and the current analysis intends to bridge the existing gaps by highlighting:

- What quantum of land zoned for residential development is currently available within the Dublin Region?; and
- What is the overall capacity of these sites to deliver the requisite minimum housing requirement?

Serviced/Serviceable Lands for Residential Development

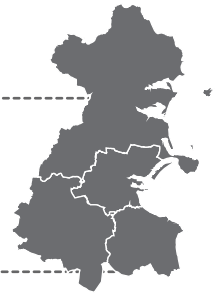
When considering the analysis contained in the report, it is important to remain cognisant that, while many of the results show adequate supply capacity within urban settlements, there are zoned lands that are not currently serviced.

The term 'serviced land' should be understood in its broadest sense as land designated for urban use and equipped with basic infrastructure including access to an urban road network, public lighting, a water supply, a sewerage and drainage system as well as electricity and telephone services.

Further future research could explore this reality and the implications of these requirements to assist in the Dublin Region's short-term housing supply shortage being addressed.

¹⁰Based on those set out in the relevant Development Plans and the Regional Planning Guidelines for the Greater Dublin Area 2010-2022 (Dublin Regional Authority and Mid-East Regional Authority, 2010).

Methodology Flowchart



Zoning Analysis

Stage 1

Existing	Built Residential (Undeveloped)
Planned	New/Proposed Residential
	Strategic Residential Reserve

Density Calculations

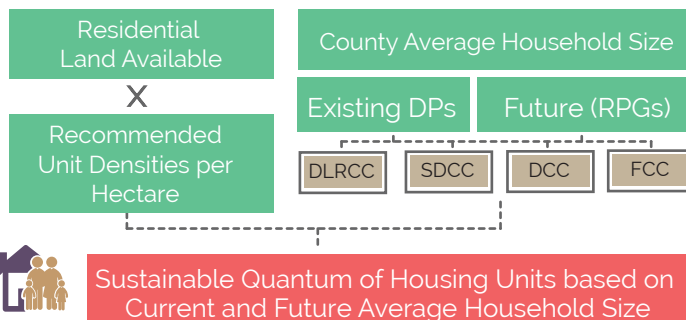
Stage 2

Planning Policy	Local Area Plans
	Development Plans
	Sustainable Residential Development Guidelines
Transport Infrastructure	LUAS
	Commuter Rail/DART
	Quality Bus Corridor

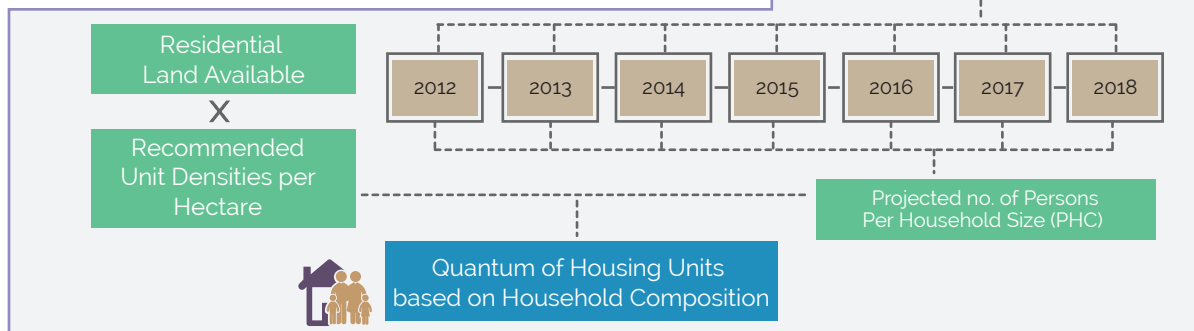
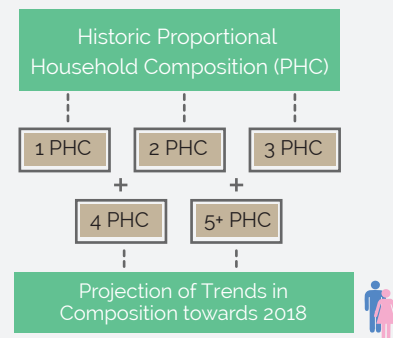
Projection of Units

Stage 3

Component 1



Component 2



Planning Permissions

Stage 4

Extant Planning Permissions	Area
	Number of Units
	Composition

Final Supply Capacity

Stage 5

$$\text{Undeveloped Zoned Land} + \text{Permitted Units on Zoned Land} = \text{Supply Capacity}$$

KEY FINDINGS - Zoning Analysis

Dublin Region Zonings

The Dublin Region has a total land area of c. **92,000 ha**. 70% of this land (65,000 ha.) is zoned for Open Space and Amenity or Rural/Agricultural lands (see Figure 4 for illustrative purposes). Existing residentially developed areas occupy c. 17,600 ha. or 19% of the total land area of the Dublin Region (see Figure 5).

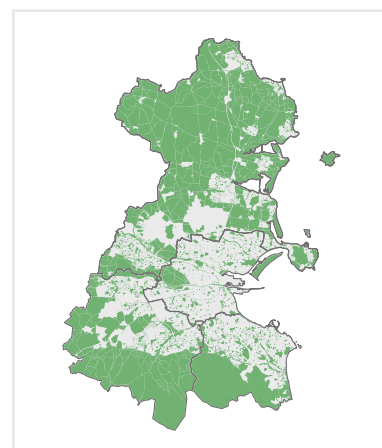
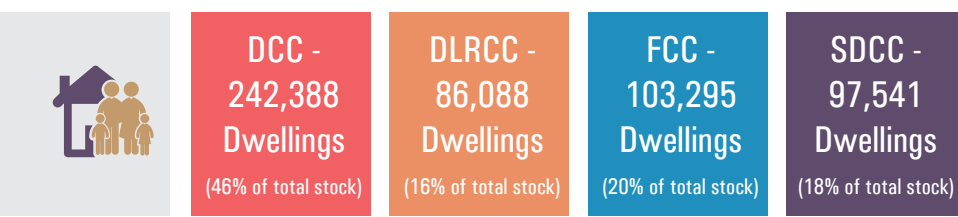
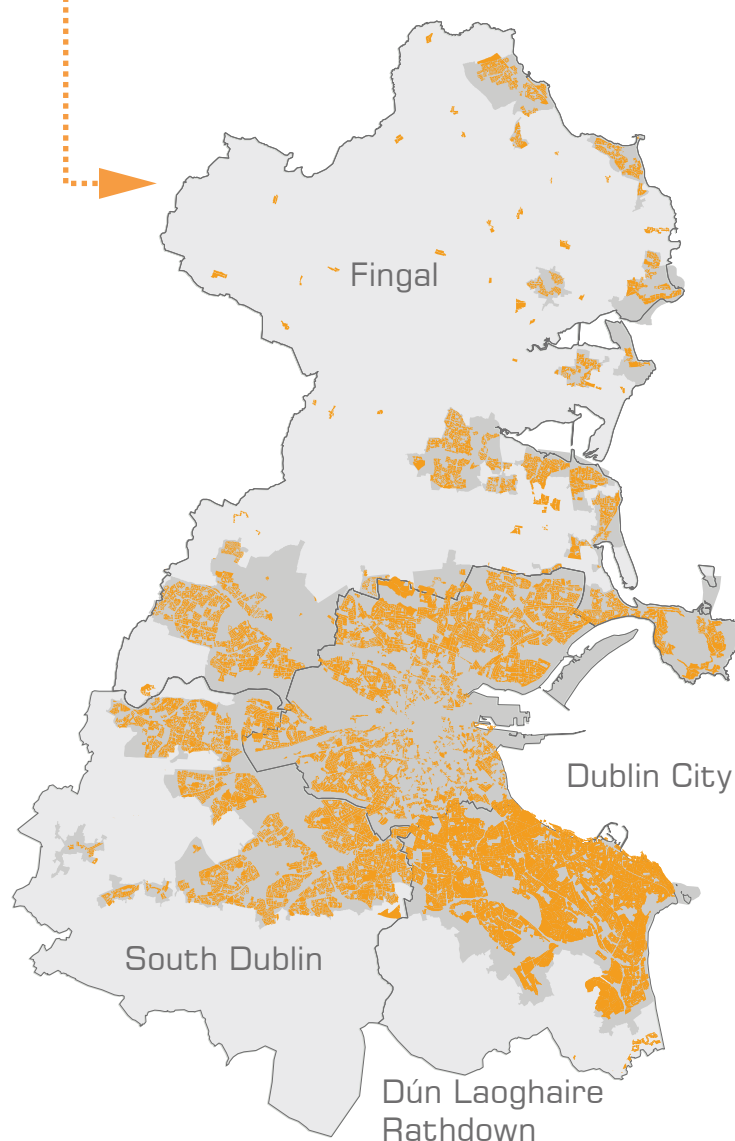


Figure 4: Existing non-residentially zoned land in Dublin Region



This land area accommodates 529,312 dwellings across the four Dublin local authority areas (Dublin City, Dún Laoghaire-Rathdown, Fingal, and South Dublin) and a resident population of 1,242,620 persons (CSO, 2011). A breakdown across each of the local authority areas can be seen above.

Key



Urban settlement areas



Total lands zoned for residential development

Figure 5: Total lands zoned for residential development in the Dublin Region

KEY FINDINGS - Zoning Analysis

Lands Zoned for Residential Development

The assessment highlights that there is 2,233 ha. of land zoned and potentially available for residential development in Dublin Region over the relevant Development Plan periods and beyond (see Figure 6). This can be broken out as follows:

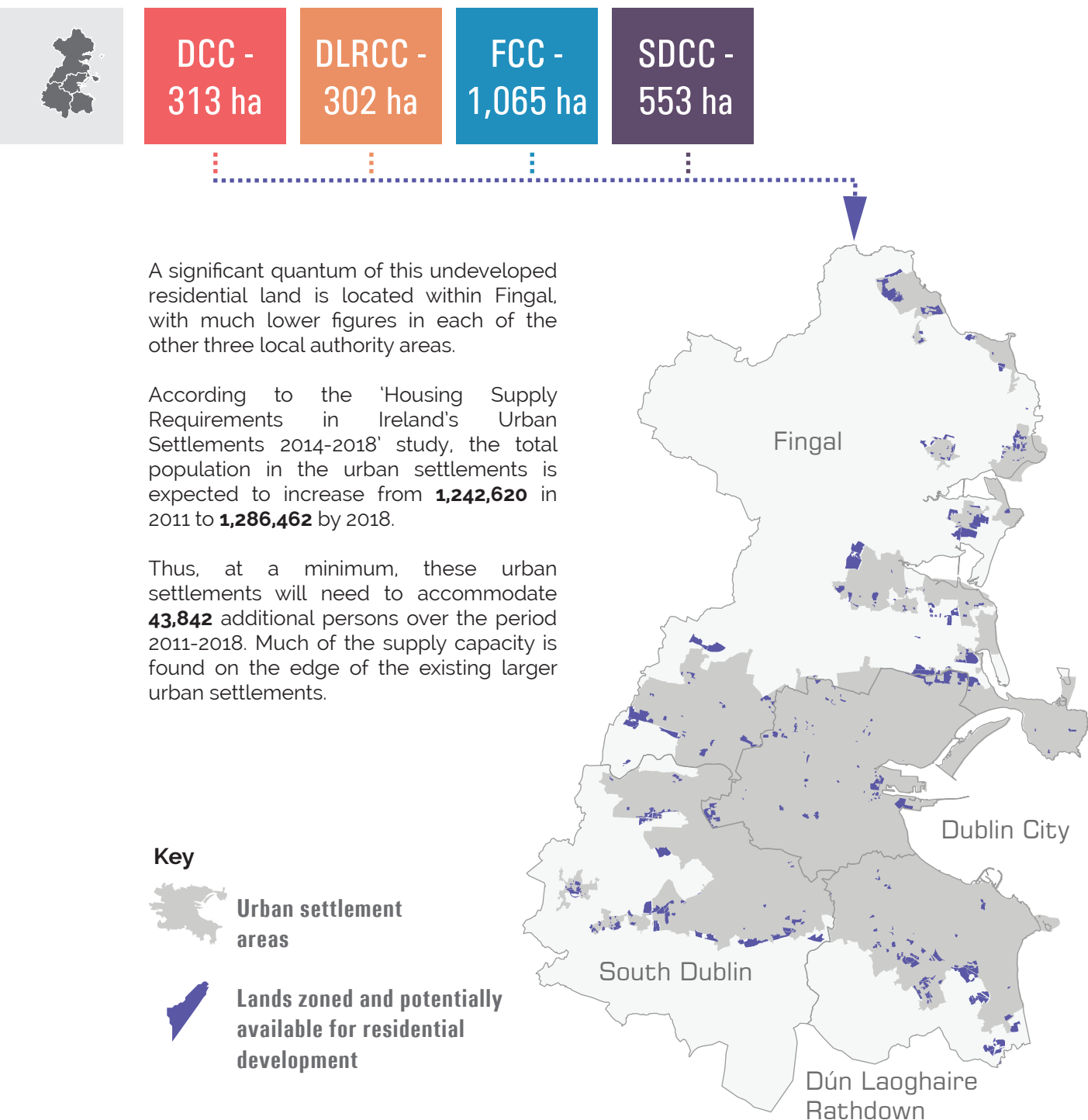


Figure 6: Lands zoned and potentially available for residential development in the Dublin Region

KEY FINDINGS - Density Analysis

Dublin Region Analysis

The assessment of density has been split into two components as previously described. Following the initial analysis carried out to determine the 'units per hectare' (UPH) density figure for each parcel of zoned land, the area of the parcel is multiplied by the 'UPH' figure. The resulting output indicates the number of units which could be supported at that density.

Thereafter, by applying current and projected future average household size, and current and projected future household composition, to these unit figures, the supporting population can be established, namely, the number of persons in those zonings based on a county average household size, and the unit composition breakdown. The following sets out this detailed analysis:

Under the low scenario for recommended densities:

See Appendix 3 for medium and high density scenarios

Settlement Area	Zoned Land Available	Population in 2011		Population in 2018		Minimum Housing Requirement <small>Period 2014 - 2018, Housing Agency</small>		Average Zoning Density		Total Units Supported			Average Household Size			Household Composition		
										2011 - Persons Accommodated	2016 - Persons Accommodated	2018 - Persons Accommodated	2012 - Persons Accommodated	2016 - Persons Accommodated	2018 - Persons Accommodated			
DCS - Dublin City <small>313 ha Zoned Land Available</small>	527,612	535,318	13,751 units	35 UPH	26,673 units	60,468 people	60,281 people	58,147 people		69,438 people	68,353 people	67,817 people						
DCS - Fingal <small>416 ha Zoned Land Available</small>	130,436	141,316	5,295 units	35 UPH	17,499 units	45,935 people	45,148 people	43,631 people		45,555 people	44,843 people	44,491 people						
DCS - DLR <small>302 ha Zoned Land Available</small>	201,074	201,996	3,299 units	35 UPH	14,744 units	36,271 people	35,682 people	34,453 people		38,384 people	37,784 people	37,488 people						
DCS - South Dublin <small>450 ha Zoned Land Available</small>	251,505	265,828	8,513 units	35 UPH	17,977 units	49,166 people	47,638 people	46,020 people		46,798 people	46,067 people	45,705 people						
Newcastle <small>30 ha Zoned Land Available</small>	2,659	3,010	118 units	20 UPH	654 units	1,788 people	1,732 people	1,673 people		1,702 people	1,675 people	1,662 people						
Rathcoole <small>34 ha Zoned Land Available</small>	3,421	3,642	133 units	30 UPH	1,003 units	2,743 people	2,658 people	2,567 people		2,611 people	2,570 people	2,550 people						
Saggart <small>39 ha Zoned Land Available</small>	2,144	2,527	0 units	40 UPH	1,577 units	4,312 people	4,178 people	4,036 people		4,104 people	4,040 people	4,008 people						
Balbriggan <small>113 ha Zoned Land Available</small>	19,960	22,047	925 units	30 UPH	3,378 units	10,604 people	10,422 people	10,072 people		10,516 people	10,352 people	10,271 people						
Balrothery <small>6 ha Zoned Land Available</small>	1,866	2,076	85 units	35 UPH	219 units	574 people	564 people	545 people		569 people	560 people	556 people						
Donabate <small>146 ha Zoned Land Available</small>	6,778	7,378	265 units	37 UPH	5,348 units	14,039 people	13,798 people	13,335 people		13,923 people	13,705 people	13,598 people						
Kinsealy-Drinan <small>7 ha Zoned Land Available</small>	5,814	6,676	360 units	35 UPH	237 units	623 people	612 people	592 people		618 people	608 people	603 people						
Lusk <small>39 ha Zoned Land Available</small>	7,022	8,022	374 units	33 UPH	1,276 units	3,350 people	3,292 people	3,182 people		3,322 people	3,270 people	3,244 people						
Malahide <small>58 ha Zoned Land Available</small>	15,846	16,100	163 units	20 UPH	974 units	2,557 people	2,513 people	2,429 people		2,536 people	2,496 people	2,477 people						
Portmarnock <small>50 ha Zoned Land Available</small>	9,285	9,517	236 units	44 UPH	2,210 units	5,800 people	5,701 people	5,510 people		5,753 people	5,663 people	5,618 people						
Portrane <small>7 ha Zoned Land Available</small>	1,372	1,338	17 units	35 UPH	235 units	618 people	607 people	587 people		613 people	603 people	598 people						
Rush <small>51 ha Zoned Land Available</small>	9,231	9,813	275 units	37 UPH	1,888 units	4,956 people	4,871 people	4,707 people		4,915 people	4,838 people	4,800 people						
Skerries <small>28 ha Zoned Land Available</small>	9,671	9,952	174 units	37 UPH	1,016 units	2,668 people	2,622 people	2,534 people		2,646 people	2,604 people	2,584 people						
Swords <small>146 ha Zoned Land Available</small>	36,924	39,904	1,448 units	39 UPH	5,669 units	14,881 people	14,626 people	14,135 people		14,758 people	14,527 people	14,413 people						
Total <small>2,233 ha Zoned Land Available</small>	1,242,620	1,286,462	35,433 units	34 UPH	102,576 units	261,351 people	256,945 people	248,154 people		268,760 people	264,558 people	262,483 people						

A review of the logic and methodology for density calculations can be found in Appendix 2 of this document

A full breakdown of these figures can be found in Appendix 3 of this document

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Note: DCS refers to the Dublin City & Suburbs Settlement Area. Each local authority's share of this settlement is attributed above.

KEY FINDINGS - Planning Permission Analysis

Dublin Region Analysis

This section reviews the granted (extant) planning permission for new residential developments across the Dublin Region¹¹.

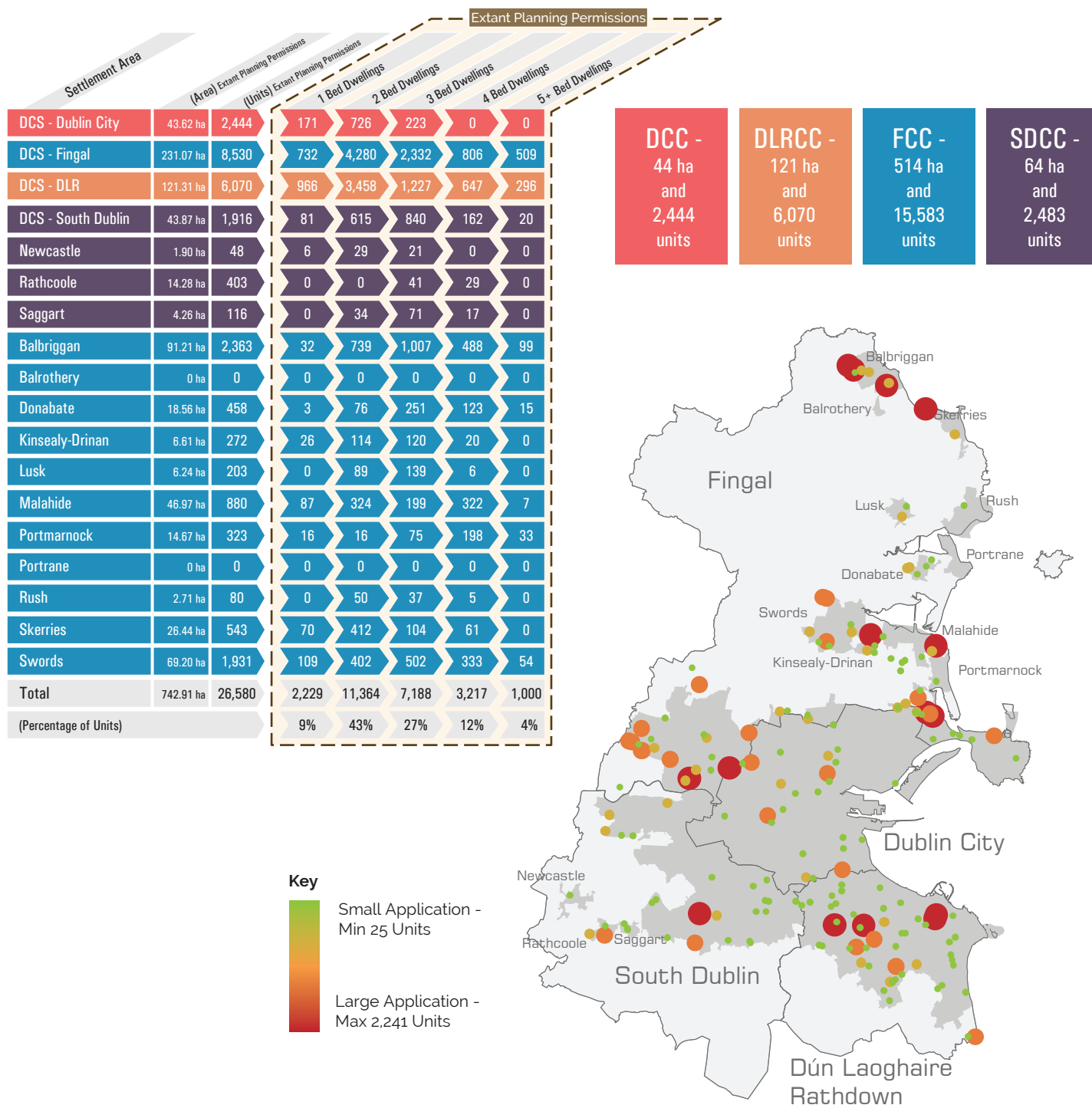


Figure 7: Granted (Extant) Planning Permissions for New Residential Development (from 2008 to June 2014)

¹¹ There have been anecdotal examples of large developments permitted in the late 2000's that have now been revised or sought to be revised at lower densities or in different formations. These must be carefully considered on a case-by-case basis to protect the proper planning and sustainable development of the urban settlements in the long-term interests of quality housing supply being delivered.

Appendix 1

Minimum Housing Requirements - Key Terminology In Accordance With 'Housing Supply Requirements in Ireland's Urban Settlements 2014-2018' (April, 2014)

- 1 Dwellings Required** is the minimum number of dwellings that will be required to accommodate the urban settlement's projected population in full, incorporating the **available housing supply**, as split by proportional household composition. Not the same as **Housing Supply Requirement**.
 - 2 Housing Supply Requirement:** the summed total of the (per annum) projected shortfalls in housing provision for each urban settlement as derived from the relationship between **Dwellings Required** and **Available Housing Supply**, i.e. the difference between them. This minimum housing supply requirement is not a reflection of housing demand.
- The methodological approach taken in the Housing Agency/FAC publication assumes that any annual shortfall is realised (constructed) for the subsequent year's assessment for that settlement.
- 3 Available Housing Supply:** is the number of habitable dwellings in the urban settlement as derived from census 2011 base figures; supplemented by the preceding year's **housing supply requirement** (if any), less the specified vacancy rate and annual obsolescence factor.
 - 4 Proportional Household Composition (PHC):** is an assessment of Census data on household composition for each urban settlement. The basis of PHC is the assumption that an urban settlement's household composition, i.e. the breakdown of each settlement's resident population into 1-, 2-, 3-, 4- and 5+ Person Households, will continue to grow and decline (as per intercensal trends) throughout the period. PHC is used to distribute, proportionately, the projected population into each household category, whereupon the number of **dwellings required** to satisfy each household type in full can be derived.

As an alternative to average household size, PHC is more sensitive to the housing characteristics at play in each urban settlement.

For example, some settlements may have a predominant share of 1-person households and are therefore applying greater pressure on the available housing supply than if that same population was to be accommodated according to the average household size. This pressure if compounded by any such growing trend towards 1-person households. In this way, potential supply-side issues can be highlighted on a basis that is tied to each settlement's demographic characteristics.

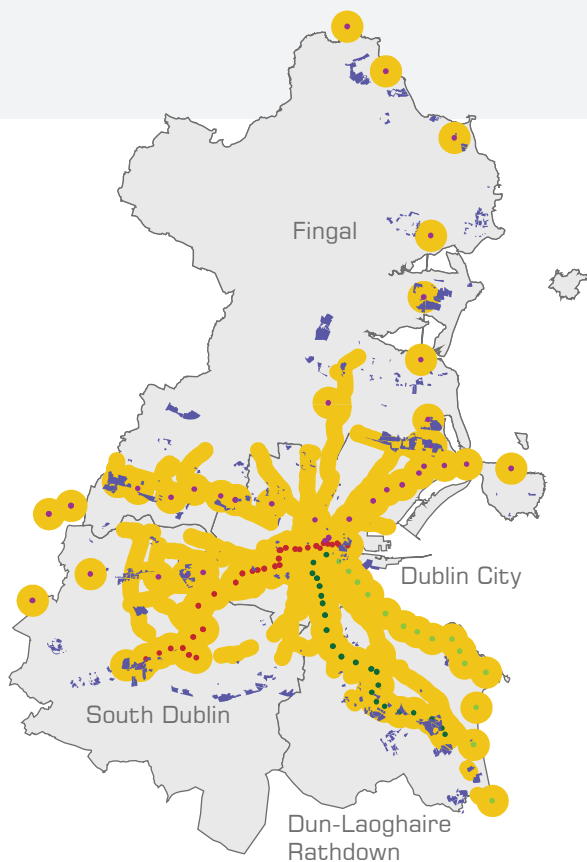
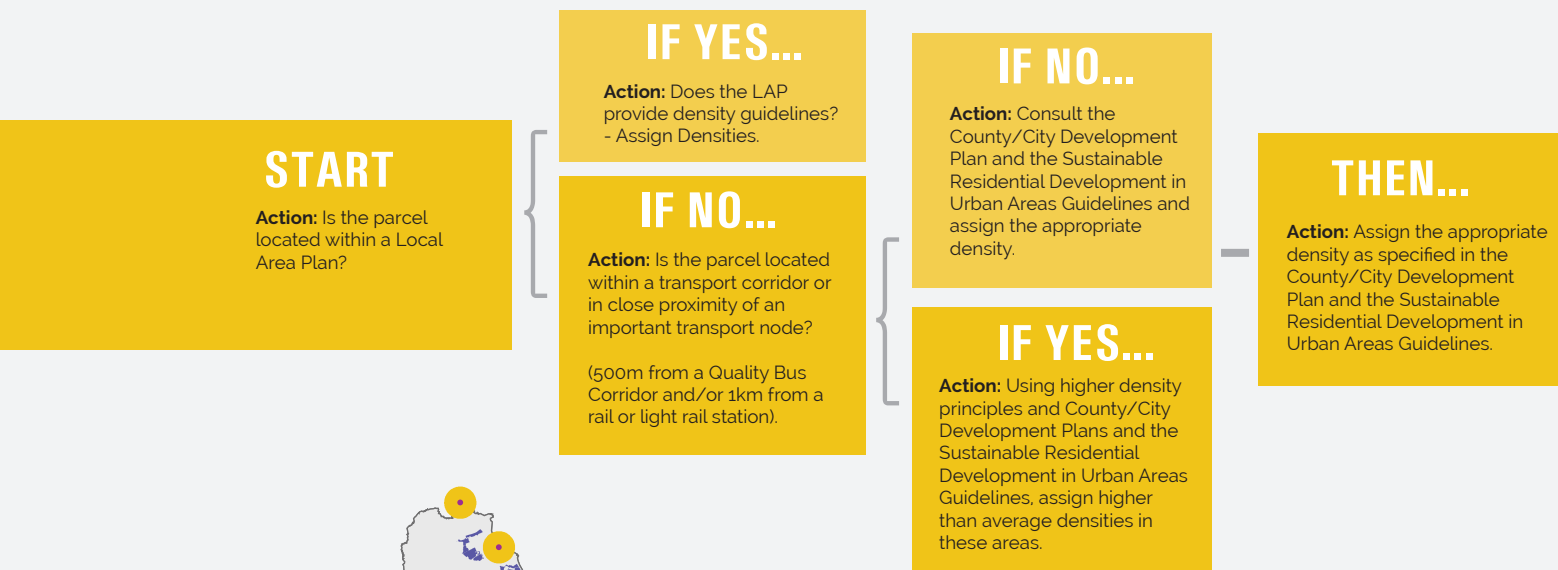


Figure 8: Housing Agency-Future Analytics Consulting modelling overview for determining minimum housing supply requirement

Appendix 2

Density Framework - Capacity Constraints

Sustainable residential development is a key feature in the pursuit of proper planning and sustainable development. In order to adequately determine the delivery capacity of the zoning, this study has sought to attach appropriate density allocations to each parcel of undeveloped residential land. Planning policy and guidance from the local level up to national level has been consulted to ensure that the density allocations are robust and defensible. Specifically, Local Area Plans, Development Plans, Residential Density Guidelines, and proximity to supporting public transport infrastructure have been consulted.



Key

- Undeveloped land zoned for residential development
- Commuter rail stations
- DART stations
- LUAS Red line stations
- LUAS Green line stations
- 500m radius from rail/tram station or QBC

Average density allocation across different zonings (units per hectare)

Zone Code	Description/Title	Low	Medium	High
DCC				
Z1	Sustainable Residential Neighbourhoods	35	50	75
Z2	Residential Neighbourhoods (Conservation Areas)	35	50	75
Z14	Strategic Development and Regeneration Area (SDRA)	94	125	156
DLRCC				
A	Existing Residential Area	35	50	75
A1	New Residential Area	59	77	97
FCC				
RA	New Residential Area	38	52	67
R5	Existing Residential Area	35	50	75
SDCC				
A	Existing Residential Area	35	50	75
A1	New Residential Area	40	48	58

Figure 9: Transportation corridors overlaid with undeveloped land zoned for residential development

Appendix 3

Density Scenario Summary Calculations

							Average Household Size						Average Household Size						Average Household Size		
							2011	2016	2018				2011	2016	2018				2011	2016	2018
							Low Density						Medium Density						High Density		
Settlement	Population in 2011 (Census)	Population in 2018 (Projected)	Minimum Housing requirement over projected period 2014-2018	Area of zoned land suitable for residential development (ha)	Average Zoning Density (uph) (Low)	Total Units (Low)	2011 Persons Accommodated	2016 Persons Accommodated	2018 Persons Accommodated	Average Zoning Density (uph) (Medium)	Total Units (Medium)	2011 Persons Accommodated	2016 Persons Accommodated	2018 Persons Accommodated	Average Zoning Density (uph)	Total Units (High)	2011 Persons Accommodated	2016 Persons Accommodated	2018 Persons Accommodated		
DCS Dublin City	527,612	535,318	13,751	313.11	35	26,673	60,468	60,281	58,147	60	35,583	80,666	80,416	77,570	90	44,976	101,962	101,647	98,049		
DCS Fingal	130,436	141,316	5,295	415.65	35	17,499	45,935	45,148	43,631	40	24,165	63,433	62,345	60,251	50	32,433	85,137	83,677	80,866		
DCS Dun Laoghaire Rathdown	201,074	201,996	3,299	301.86	35	14,744	36,271	35,682	34,453	40	19,757	48,603	47,813	46,166	60	26,507	64,146	61,937	61,937		
DCS South Dublin	251,505	265,828	8,515	449.99	35	17,977	49,166	47,638	46,020	40	22,997	62,897	60,942	58,873	50	30,434	83,236	80,649	77,910		
Newcastle	2,659	3,010	118	29.91	20	654	1,788	1,732	1,673	25	817	2,235	2,165	2,092	35	1,144	3,128	3,031	2,928		
Rathcoole	3,421	3,642	133	33.90	30	1,003	2,743	2,658	2,567	35	1,170	3,200	3,101	2,995	50	1,672	4,572	4,430	4,279		
Saggart	2,144	2,527	0	39.41	40	1,577	4,312	4,178	4,036	45	1,774	4,851	4,700	4,541	50	1,971	5,390	5,222	5,045		
Balbriggan	19,960	22,047	925	112.59	30	3,378	10,604	10,422	10,072	35	3,941	12,371	12,159	11,751	50	5,629	17,673	17,370	16,787		
Balrothery	1,866	2,076	85	6.25	35	219	574	564	545	50	312	820	806	779	75	468	1,230	1,208	1,168		
Donabate	6,778	7,378	265	145.53	37	5,348	14,039	13,798	13,335	40	5,871	15,411	15,147	14,638	45	6,620	17,379	17,081	16,507		
Kinsealy-Drinan	5,814	6,676	360	6.78	35	237	623	612	592	43	292	765	752	727	50	339	890	875	845		
Lusk	7,022	8,022	374	38.75	33	1,276	3,350	3,292	3,182	48	1,857	4,875	4,792	4,631	72	2,778	7,292	7,167	6,926		
Malahide	15,846	16,100	163	57.83	20	974	2,557	2,513	2,429	30	1,302	3,417	3,359	3,246	40	1,839	4,828	4,745	4,586		
Portmarnock	9,285	9,517	236	50.43	44	2,210	5,800	5,701	5,510	52	2,613	6,858	6,741	6,514	61	3,094	8,121	7,982	7,714		
Portrane	1,372	1,338	17	6.72	35	235	618	607	587	50	370	883	955	859	75	555	1,324	1,301	1,257		
Rush	9,231	9,813	275	51.02	37	1,888	4,956	4,871	4,707	50	2,551	6,697	6,582	6,361	75	3,827	10,045	9,873	9,542		
Skerries	9,671	9,952	174	27.55	37	1,016	2,668	2,622	2,534	48	1,312	3,445	3,386	3,272	63	1,741	4,570	4,491	4,340		
Swords	36,924	39,904	1,448	145.58	39	5,669	14,881	14,626	14,135	53	7,752	20,350	20,001	19,329	76	11,103	29,146	28,646	27,684		
	1,242,620	1,286,462	35,433	2,233	34	102,576	261,351	256,945	248,154	44	134,436	341,777	336,163	324,595	59	177,131	451,129	443,543	428,372		

Settlement	Population in 2011 (Census)	Population in 2018 (Projected)	Minimum Housing requirement over projected period 2014-2018	Area of zoned land suitable for residential development (ha)	Average Zoning Density (uph) (Low)	Total Units (Low)	Household Composition			Average Zoning Density (uph) (Medium)	Total Units (Medium)	Household Composition			Average Zoning Density (uph) (High)	Total Units (High)	Household Composition		
							2012	2016	2018			2012	2016	2018			2012	2016	2018
							Low Density					Medium Density					High Density		
							2012 Persons Accommodated	2016 Persons Accommodated	2018 Persons Accommodated			2012 Persons Accommodated	2016 Persons Accommodated	2018 Persons Accommodated			2012 Persons Accommodated	2016 Persons Accommodated	2018 Persons Accommodated
DCS Dublin City	527,612	535,318	13,751	313.12	35	26,673	69,438	68,353	67,817	60	35,583	92,632	91,184	90,469	90	44,976	117,087	115,257	114,353
DCS Fingal	130,436	141,316	5,295	415.63	35	17,499	45,555	44,843	44,491	40	24,165	62,909	61,925	61,439	50	32,433	84,433	83,113	82,461
DCS Dun Laoghaire Rathdown	201,074	201,996	3,299	405.09	35	14,744	38,384	37,784	37,488	40	19,757	51,434	50,630	50,233	60	26,507	69,005	67,926	67,393
DCS South Dublin	251,505	265,828	8,515	346.77	35	17,977	46,798	46,067	45,705	40	22,997	59,868	58,932	58,470	50	30,434	79,228	77,989	77,378
Newcastle	2,659	3,010	118	29.91	20	654	1,702	1,675	1,662	25	817	2,127	2,094	2,077	35	1,144	2,978	2,931	2,908
Rathcoole	3,421	3,642	133	33.90	30	1,003	2,611	2,570	2,550	35	1,170	3,046	2,998	2,975	50	1,672	4,352	4,283	4,250
Saggart	2,144	2,527	0	39.41	40	1,577	4,104	4,040	4,008	45	1,774	4,008	4,545	4,510	50	1,971	5,130	5,050	5,011
Balbriggan Legal Town and its Environs	19,960	22,047	925	112.59	30	3,378	10,516	10,352	10,271	35	3,941	12,269	12,077	11,982	50	5,629	17,527	17,253	17,118
Balrothery	1,866	2,076	85	6.25	35	219	569	560	556	50	312	813	800	794	75	468	1,219	1,200	1,191
Donabate	6,778	7,378	265	145.53	37	5,348	13,923	13,705	13,598	40	5,871	15,284	15,045	14,927	45	6,620	17,235	16,966	16,833
Kinsealy-Drinan	5,814	6,676	360	6.78	35	237	618	608	603	43	292	759	747	741	50	339	883	869	862
Lusk	7,022	8,022	374	38.75	33	1,276	3,322	3,270	3,244	48	1,857	4,835	4,760	4,722	72	2,778	7,232	7,119	7,063
Malahide	15,846	16,100	163	57.83	20	974	2,536	2,496	2,477	30	1,302	3,389	3,336	3,310	40	1,839	4,788	4,713	4,676
Portmarnock	9,285	9,517	236	50.43	44	2,210	5,753	5,663	5,618	52	2,613	6,802	6,695	6,643	61	3,094	8,054	7,928	7,866
Portrane	1,372	1,338	17	6.72	35	235	613	603	598	50	370	964	949	941	75	504	1,446	1,423	1,412
Rush	9,231	9,813	275	51.02	37	1,888	4,915	4,838	4,800	50	2,551	6,642	6,538	6,486	75	3,827	9,962	9,807	9,730
Skerries	9,671	9,952	174	27.55	37	1,016	2,646	2,604	2,584	48	1,312	3,416	3,363	3,337	63	1,741	4,532	4,461	4,426
Swords	36,924	39,904	1,448	145.58	39	5,669	14,758	14,527	14,413	53	7,752	20,182	19,866	19,710	76	11,103	28,905	28,453	28,230
	1,242,620	1,286,462	35,433	2,233	34	102,576	268,760	264,558	262,483	44	134,436	351,379	346,485	343,767	59	177,080	463,996	456,742	453,160

Legend	Average Household Size			Household Composition					Average Densities Per Local Authority Area				
	2011	2016	2018	2012 5p Split	1 Bed	2 Bed	3 Bed	4 Bed	5+ Bed	2011	2016	2018	
	2.27	2.26	2.18	2018 5p Split	24.18%	30.62%	18.02%	14.50%	10.70%	35 to 95 UPH	35 to 50 UPH	35 to 50 UPH	
	2.63	2.58	2.49	2016 5p Split	24.90%	31.85%	18.05%	14.50%	10.70%	35 to 50 UPH	35 to 50 UPH	35 to 50 UPH	
	2.46	2.42	2.34		24.67%	31.45%	18.04%	14.68%	11.17%	35 to 50 UPH	35 to 50 UPH	35 to 50 UPH	
	2.74	2.65	2.56										



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