Norwich Growth Area – Infrastructure Need and Funding Study

Final Report

Appendices

December 2007

Appendices

- A. Chelmer Model Methodology Note
- B. Existing Social Infrastructure Maps
- C. Social Infrastructure Supply Tables
- D. Social Infrastructure Data Sources and Validators
- E. Transport Infrastructure Mapping
- F. Utilities Infrastructure EDF Report
- G. Housing Trajectory Data Tables
- H. Infrastructure Cost Report
- Norwich Growth and Infrastructure Delivery Model Screen Shots

Appendix - A

CHELMER MODEL METHODOLOGY NOTE

The following methodology was written by Norfolk County Council Demography and Information team.

Summary

Projections from mid-2001 to mid-2031 (excluding 2006) were made of dwellings, population, (age 0-3, 4-10 and 11-16), household population (age 0-3, 4-10 and 11-16), and households for Norwich and the Broadland and South Norfolk parts of the Norwich Policy Area (NPA). Although the latest Chelmer/RSS dwelling-led projections were used at local authority level as a control, excluding windfall, their interpretation in terms of the NPA, extension to 2031 and for alternative age groups was entirely our responsibility.

Projections were made for two housing growth scenarios using housing change figures for the NPA provided by EDAW. Essentially the dwelling change drove the projection model. Dwelling change for each projection period was modelled in proportion to the corresponding District dwelling change in the Chelmer results, and windfall dwellings added. To run population projections, the Chelmer population projections for 2001-2021 for the three Districts and our estimated mid-2001 base population figures for Broadland NPA and South Norfolk NPA were input: population, including population attributable to windfall dwellings, was calculated in proportion to dwelling change. The model was re-run twice with input of population in households, and with households.

Ultimately a simple method was adopted to produce age structure projections, to ensure consistency with the different dwelling numbers of each scenario. These are necessarily subject to a wider margin of error than projections of the total population.

Introduction

This note describes how the projections made by Norfolk County Council (Demography & Information team) for the Norwich Infrastructure Need and Funding Study (August 2007) were produced. Projections from 2001 to 2031 (excluding 2006) were made of **dwellings**, **population**, **population in households** (in both cases for totals, age 0-3, age 4-10 and age 11-16), and **households**. The resultant figures of **average household size** (population in households divided by households, AHS) were also provided. Projections were made for Broadland and South Norfolk (in each case for the Norwich Policy Area and rural remainder separately) and for Norwich. This gave results for the NPA and its three District components.

It was agreed that the RSS dwelling-led projections for Districts would be taken as the basis for a derived set of projections for the component parts of the NPA.

Note that the interpretation we have made of the Chelmer projections (only available at local authority level) in terms of the NPA, extension beyond 2021 and the alternative age groups was entirely our own.

Housing growth scenarios

EDAW supplied two housing growth scenarios, which were to form the basis for the total new dwelling units (with an allowance for windfall applications to 2026) from 2001-2021 and 2021-2031. Scenario 1 assumed new dwellings from 2007-2021 in growth extensions of 7,500 in Broadland NPA and 3,500 in South Norfolk NPA, while Scenario 2 assumed zero in Broadland NPA and 10,000 in South Norfolk NPA. In both scenarios an assumption of 5,000 urban capacity dwellings was made for Norwich. The full figures are detailed at the end of Appendix A.

The use of Chelmer projections

It was agreed on 27 July that the projections of population and population in households from the Chelmer model ('Group 3 RSS dwelling-led' to reflect proposed changes to the Plan – the Regional Spatial Strategy -, December 2006) would be used by Demography & Information to produce, for the NPA, the inputs needed for the EDAW Social Infrastructure Planning Model. The detailed Chelmer projections are those commissioned by EERA from the Population and Housing Research Group at Anglia Ruskin University and supplied to the Demography Subgroup of EERA's Regional Research and Monitoring Group. They form a comprehensive set of projections at local authority level, including economically active population, to 2021. The RSS dwelling numbers do not include any windfall allowance.

The structure of the model

(a) Dwelling assumptions

Dwelling projections for the three Districts from 2001 to 2021 were taken from the Chelmer output, and 2001 dwelling estimates for the Broadland and South Norfolk parts of the NPA were made by applying the ratio between Census dwellings in the NPA part and the District. This was, in effect, to convert from Census date to mid-year.

The rural parts of Broadland and South Norfolk were modelled in the spreadsheet as residuals (in other words Broadland Rural was found by subtracting Broadland NPA from Broadland District) but were suppressed in the output as results were not required and they were included only to facilitate checks and calculations.

Census 2001 base figures for Norwich, Broadland NPA and South Norfolk NPA were taken from Tables UV01 (all people; all people resident in households), UV65 (all dwellings) and UV 67 (all households). As part of this process a small adjustment was made to South Norfolk NPA to deduct figures (estimated in the case of dwellings) for the parishes of Hellington and Holverston, that could not otherwise be separated from Bramerton parish.

For **Scenario 1**, for 2001-2021, the dwelling change (excluding windfall) was set as follows:

- Broadland NPA 10,662
- South Norfolk NPA 10,373
- Norwich 14,110 (in order to reconcile with the Chelmer/RSS figure: the extra 367 dwellings were added to the Norwich windfall for 2011-21)
- The Norwich Policy Area total was 35,145.

These figures were distributed to the ten-year interval 2001-11 and five-year intervals 2011-21 using the 2001 NPA to District ratios.

For 2021-31 the dwelling change (excluding windfall) was set as follows:

- Broadland NPA 8,000
- South Norfolk NPA 8,000
- Norwich 2,000
- The Norwich Policy Area total was 18,000.

These figures were split equally between 2021-26 and 2026-31. The windfall assumptions provided for 2011-2026 were then added, to give total dwellings including windfall.

For Scenario 2, for 2001-2021, the dwelling change (excluding windfall) was set as follows:

- Broadland NPA 3,162
- South Norfolk NPA had to be modelled jointly with Broadland NPA (3,162+16,873) as
 the assumed number of new dwellings in South Norfolk NPA, 16,873, exceeded the
 RSS control figure of 11,193 for South Norfolk District. The figures were later
 disaggregated in the summary sheet see below.
- Norwich was as in Scenario 1
- The Norwich Policy Area total was 34,145 (1,000 less than Scenario 1).

These figures were distributed to the ten-year interval 2001-11 and five-year intervals 2011-21 using the 2001 NPA to District ratios.

For 2021-31 the dwelling change (excluding windfall) was the same as Scenario 1 and the Broadland and South Norfolk NPA were modelled in combination as above.

These figures were split equally between 2021-26 and 2026-31. The windfall assumptions provided for 2011-2026 were then added, to give total dwellings including windfall.

(b) Projected population

Total population was modelled for both scenarios in a separate worksheet. The only input required was the Chelmer population projection for the three Districts for 2001 and 2011-2021; and Broadland and South Norfolk NPA for 2001. The District figures were taken directly from the Chelmer output. The NPA figures were from our own mid-2001 small area population estimates.

Projections to 2021 were made as follows:

- For the three Districts the population attributable to windfall dwellings was calculated as (RSS population for the year / RSS dwellings for the year * windfall dwellings).
 This was added to the RSS/Chelmer population projected for the year and the results copied to the summary worksheet.
- For the Broadland and South Norfolk NPA combined area, the share of the District
 projected population increase was estimated from the share of the dwelling increase
 and added to the previous year's population. Population attributable to windfall was
 estimated from the share of the windfall dwellings and the results copied to the
 summary worksheet.

Projections for 2026 and 2031 were made as follows:

 For the three Districts and for the Broadland and South Norfolk NPA the projected population increase was estimated from the share of the previous five year dwelling increase and added to the previous year's population.

The final population figures (including population attributed to windfall) for 2001-2031 for both scenarios were copied into a summary worksheet, along with all the dwelling figures.

The summary worksheet disaggregated the projections for the Broadland and South Norfolk parts of the NPA. The additional dwellings for the two areas were already known, and each area's share of the total was applied to the projected population change for the combined area and added to the population from the previous projection year. This ensured that the population change was directly proportional to the dwelling change.

Additional dwellings	2001 to 2011	2011 to 2016 and 2016-2021	2021 to 2031
		2010-2021	
Broadland NPA	1,344	1,259	8,350
South Norfolk NPA	7,594	4,989	8,350
Total	8,938	6,248	16,700
Calculated ratios			
Broadland NPA	0.1503	0.2015	0.5
South Norfolk NPA	0.8497	0.7985	0.5

Producing figures for household population, households and average household size

The projections of population in households and households were made in exactly the same way as the projections of total population. The Chelmer projections of household population and the Broadland and South Norfolk NPA estimated mid-2001 figures were entered into a copy of the spreadsheet in place of population figures, to give projections of household population. The process was then repeated using households.

Average household size was calculated from the end results by dividing the population in households by the number of households.

Producing figures for population and household population by age

Projections were required for the age ranges 0-3 (broken down into 0, 1, 2 and 3), 4-10, 11 to 16 and 17 and over. A different approach was required here because

- primarily, an increase in dwellings could not be used in the same way to model
 population age groups which were largely declining (in this case, the child age
 groups). Initial attempts to run the model in this way led to illogical results under
 scenario 2, where despite a larger dwelling increase in South Norfolk NPA than under
 Scenario 1 the population in the younger age groups declined more;
- although the Chelmer quinary age projections gave a reasonable basis for estimating change in the EDAW age groups 0-3, 4-10, 11-16 and 17-plus, clearly they could not provide a basis for single year of age projections.

The alternative adopted was as follows.

The first stage was to convert the Chelmer projections to estimates for the EDAW age groups. To do this the ratios of (a) age 0-3 to 0-4, (b) 4-10 to 5-9 and (c) 11-16 to 10-14 from the 2001 Census were applied to the Chelmer quinary age group projections.

The second stage was to calculate for each District the number of children in each age group per Chelmer dwelling (e.g. 0.0693 children in Broadland aged 0-3 in 2021 per dwelling), and apply the appropriate factors to the Scenario 1 and Scenario 2 dwellings in the NPA (e.g. under Scenario 1 in Broadland NPA, 46,595 dwellings including windfall in 2021, multiplied by

0.0693, gives 3,231 children aged 0-3). Children per Chelmer dwelling ratios for 2021 were assumed to be constant to 2026 and 2031. This process was repeated for each of the four EDAW age groups, for the three parts of the NPA, for the two scenarios.

Thirdly, these age group projections were then summed to all ages and the results compared with the all ages projections already produced. The differences were distributed pro rata in order to give final age group projections consistent with the all ages projections. The result of this stage was therefore

 Projections for age groups 0-3, 4-10, 11-16 and 17+ for 2001 by five-year intervals to 2031, for Scenarios 1 and 2 for Broadland NPA, Norwich and South Norfolk NPA.

In order to produce projections for **single years of age from 0 to 3** we used the Government Actuary Department (GAD)'s principal projection for England, 2004-based, which included projections of population by single years of age to 2044. Our projections of 0-3 year olds were estimated down to single years of age by applying the same proportions as in the GAD projections for the appropriate year. For 2001 we used the Census figures for single year of age, adjusted to mid-year on the same basis as the 0-3 age group as a whole.

The same procedure was used for making estimates of the total population and of the household population.

The following Table sets out the dwelling assumptions adopted for the NPA.

Projections for 2006

Population figures for 2006, by age group, were subsequently requested by EDAW. As we had not included any 2006 data in our model, and in view of the urgent need for figures, we had insufficient time to make modifications. Instead we produced these using the Chelmer District controls at 2006, estimating the NPA totals as the same share of the relevant District as at 2001. It was assumed that the NPA/District ratios also held true across the age groups.

It needs to be borne in mind that the 2006 figures here are constrained by the 2001-based Chelmer District projections, but we now have current ONS population estimates for mid-2006 (and other sources, such as health authority patient register data, to estimate the population of the NPA), so we can see how far adrift the Chelmer projections are. Hence our figures are not the best estimates of the actual population in mid-2006.

Appendix Table 1: Housing growth assumed for each scenario

Scenario 1				
	Broadland		South Norfolk	
	NPA	Norwich	NPA	Total
2001 to 2021				
Completions 2001-04	853	2,337	1,094	4,284
Completions 2004-06	240	1,153	545	1,938
Existing commitments 2006-2021	1,725	5,987	4,543	12,255
Urban capacity 2007-2021	344	5,000	691	6,035
Growth extensions 2007-2021	7,500	0	3,500	11,000
Windfall assumption 2011-2021	700	700	700	2,100
Total units 2001-2021	11,362	15,177	11,073	37,612
Total units 2001-2021 excl. windfall	10,662	14,477	10,373	35,512
2021 to 2031				
Windfall assumption 2021-2026	350	350	350	1,050
Housing growth 2021-2031	8,000	2,000	8,000	18,000
2001 to 2031				
Total units 2001-2031	19,362	17,177	19,073	55,612

Scenario 2				
	Broadland		South Norfolk	
	NPA	Norwich	NPA	Total
2001 to 2021				
Completions 2001-04	853	2,337	1,094	4,284
Completions 2004-06	240	1,153	545	1,938
Existing commitments 2006-2021	1,725	5,987	4,543	12,255
Urban capacity 2007-2021	344	5,000	691	6,035
Growth extensions 2007-2021	0	0	10,000	10,000
Windfall assumption 2011-2021	700	700	700	2,100
Total units 2001-2021	3,862	15,177	17,573	36,612
Total units 2001-2021 excl. windfall	3,162	14,477	16,873	34,512
2021 to 2031				
Windfall assumption 2021-2026	350	350	350	1,050
Housing growth 2021-2031	8,000	2,000	8,000	18,000
2001 to 2031				
Total units 2001-2031	11,862	17,177	25,573	54,612

Source: EDAW, 7 August 2007

Appendix - B

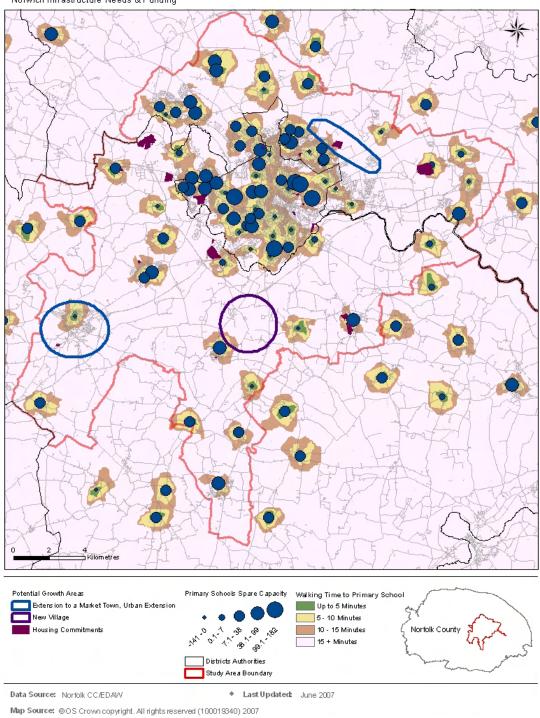
MAPPING OF EXISTING SOCIAL INFRASTRUCTURE

Childcare Facilities Norwich Infrastructure Needs & Funding Childcare Housing Commitments Districts Authorities Potential Growth Areas Buildings Extension to a Market Town, Urban Extension Study Area Boundary New Village Data Source: Norfolk CC • Last Updated: April 2007 Map Source: Census 2001 Output Areas/Ordnance Survey Boundary Line

Map B.1: Childcare Facilities

Primary Schools Supply, Demand & Accessibility

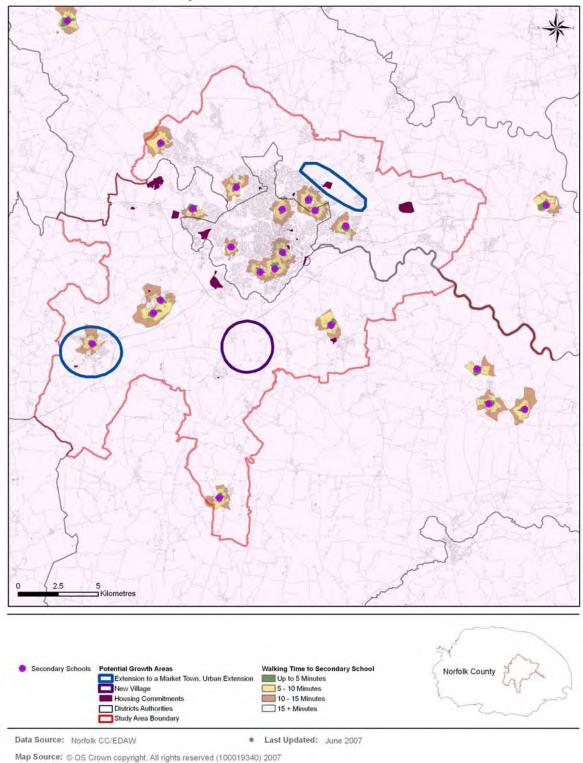
Norwich Infrastructure Needs & Funding



Map B.2: Primary Schools

Secondary Schools Supply, Demand & Accessibility Norwich Infrastructure Needs & Funding

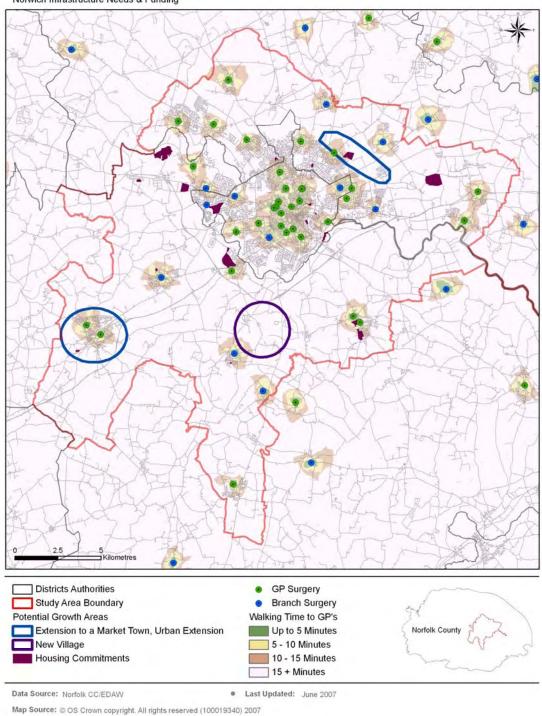




Map B.3: Secondary Schools

GP Access

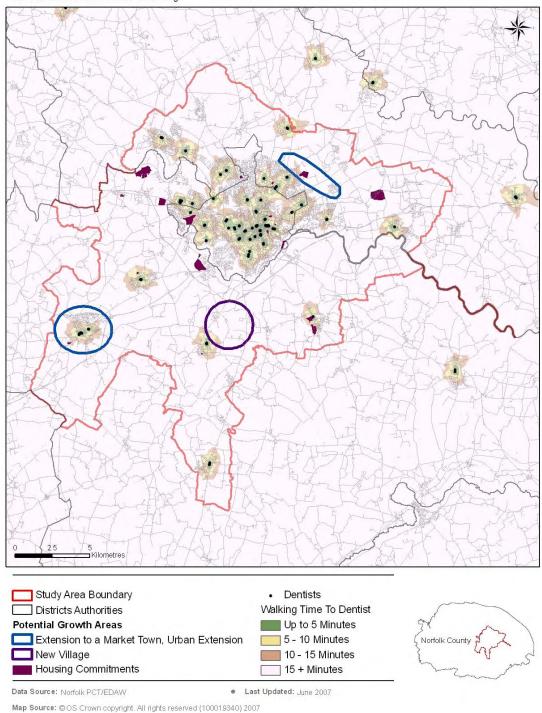
Norwich Infrastructure Needs & Funding



Map B.4: GP Surgeries and Branch GP Surgeries

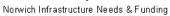
Dentist Access

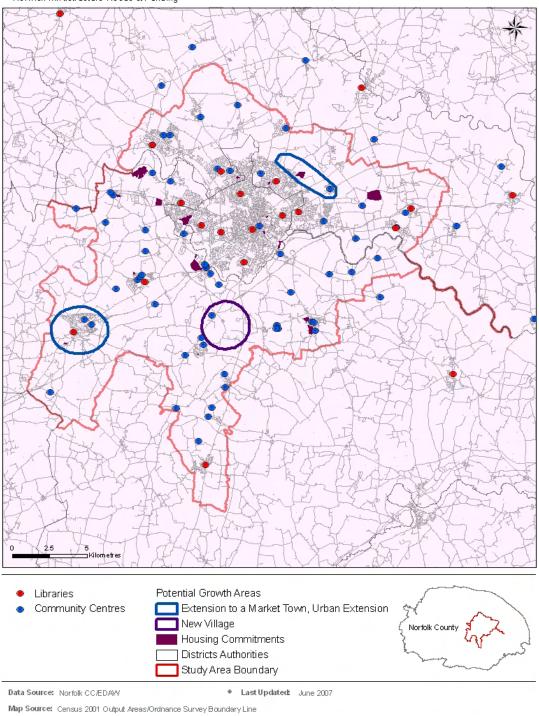
Norwich Infrastructure Needs & Funding



Map B.5: Dentist Surgeries

Community Facilities

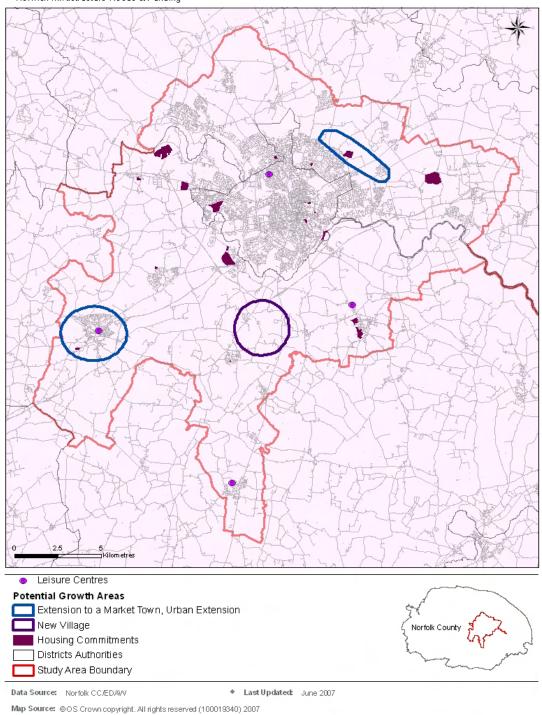




Map B.6: Community Facilities

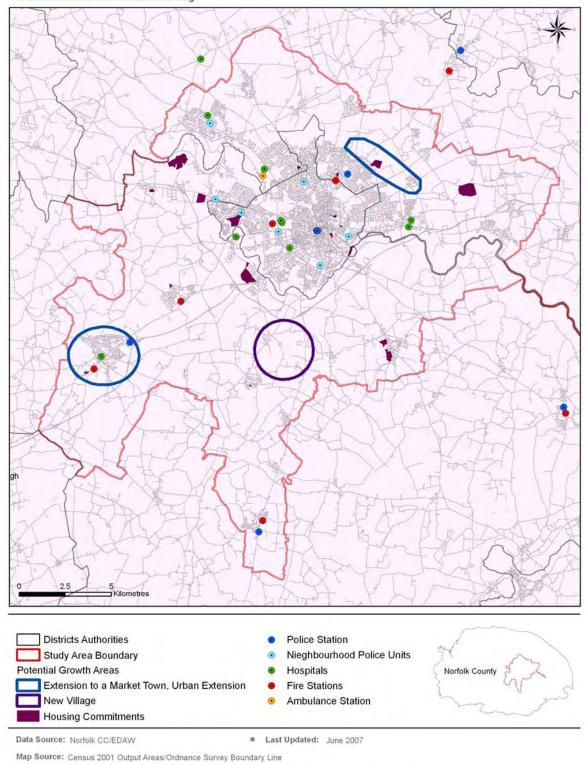
Leisure Centres

Norwich Infrastructure Needs & Funding



Map B.7: Leisure and Recreation Facilities

Emergency & Essential Services Norwich Infrastructure Needs & Funding



Map B.8: Essential and Emergency Services

Appendix - C

TABLES OF EXISTING SOCIAL INFRASTRUCTURE EDUCATION

Early Years Education Facilities – Broadland

Childcare Facilities	Address	Registered Places	Vacancies
Acorn Playgroup	Thorpe St Andrew, Longfields, NR7 0NB	15	4
Arden Grove Pre-School	Arden Grove, NR6 6QA	20	0
Blofield Day Nursery	Hobsons Fox Lane, NR13 4LW	26	8
Blofield Pre-school Playgroup	Yarmouth Road, NR13 4JU	26	0
Busy Beavers Playgroup	Church Hall, 12 Blacksmiths Way, NR6 7DT	26	0
Busy Bees Playgroup, Wymondham	10 Browick Road, Wymondham, NR18 0QW	26	0
Drayton Village Pre-School	Pond Lane, NR8 6PP	26	3
Fairview Kindergarten And Nursery School	31 Corner Lane,NR10 3DG	57	10
Hellesdon Community Pre-School	Kinsale Avenue, NR6 5SG	24	4
Hemblington Pre-school	Woodbastwick Road, NR13 4QH	26	0
Hillbillies Playhouse	Nursery Bungalow Fir Covert Road, NR8 6HT	40	0
Horsford Pre-school Playgroup	Village Hall Holt Road, NR10 3AQ	34	2
Just Learning Nursery	Northside, St Andrews Business Park, NR7 0HT	72	12
Just Learning Nursery - Meridian Way	5 Meridian Way, NR7 0TA	112	45
Leapfrog Nursery	Taverham Village Hall Sandy Lane, NR8 6JS	26	0
Little Nightingales	Nightingale Drive, Taverham, NR8 6LA	54	0
Little Plumstead Pre-School Group	Village Hall Crowes Loke, NR13 5JB	24	0
Once Upon A Time Nursery School	Falcon Road West, NR7 8NZ	24	0
Rackheath Bombers Playgroup	Rackheath Village Hall Green Lane West, NR13 6LT	26	9
Raschools Brundall Playgroup	Brundall Memorial Hall Links Avenue, NR13 5LL	17	5
School Lane Pre-School	Sprowston Youth Centre School Lane, NR7 8TR	26	2
Spixworth Pre-School Group	Spixworth Village Hall Crostwick Lane, NR10 3NQ	34	0
Spooner Row Acorns	Spooner Row, Wymondham, NR18 9JR	11	0
Sprowston Nursery Playgroup	Wroxham Road, NR7 8AD	35	18
Sprowston Pavillion Pre-School Playgroup	Recreation Ground Road, NR7 8EW	26	11
St Faiths Pre-School	Church Street, Horsham St Faith, NR10 3JJ	12	0
St Laurence Nursery Group	Brundall Church Rooms Church Lane, NR13 5JZ	24	11
The Heathers Nursery	Heather's Nursery Bracken Avenue, NR6 6LS	22	2
Thorpe End Teddies Playgroup	St Davids Church Hall St Davids Drive, NR13 5HR	26	0
Thorpe Pavilion Nursery	Fitzmaurice Pavilion Pound Lane, NR7 0SR	26	2

Table C.1: Early Years Education Facilities - Broadland, 2007

Early Years Education Facilities - Norwich

Childcare Facilities	Address	Registered Places	Vacancies
Catton Grove First School & Nursery School	Hunter Road, NR3 3PZ	24	0
Catton Grove Playgroup	Community Centre, Jewson Road, NR3 3RD	25	7
Chapel Break Pre-School	Village Hall Humbleyard, NR5 9BN	47	0
Chapelfield Childrens Day Nursery Ltd	Chapel Field East, NR2 1SF	38	0
City College Nursery	Ipswich Road, NR2 2LJ	55	0
Clover Hill Preschool	Village Hall, Humbleyard, NR5 9BN	46	20
Earlham Early Years Centre	Cadge Road, NR5 8DB	27	0
Family Life Centre Pre-School	Heartsease Lane, NR7 9NT	26	20
Fledglings - Nhs Nursery	Bowthorpe Road, NR2 3TU	60	1
Footsteps Day Nursery N.N.I	20 Humbleyard, NR5 9BN	42	15
Greenfields Playgroup	Community Centre Ives Road, NR6 6DY	0	0
Hamlet Centre Playgroup	Hamlet Centre Ella Road, NR1 4BP	12	2
Heartsease First School Playgroup	Rider Haggard Road,NR7 9UE	26	12
Holy Trinity Playgroup	Church Hall, Cambridge Street, NR2 2BB	26	0
Jessopp Road Playgroup	United Reformed Church Jessopp Road, NR2 3QA	26	0
Jigsaw Nursery School	15a Constitution Hill, NR3 4HA	50	17
Just Learning Nursery Ltd - Airport	Norwich Airport Delft Way, NR6 6BB	112	10
Kidease Day Nursery	41 Harriet Court, NR1 2DG	61	15
Lakenham Preschool (jubilee Jellies)	Jubilee Community Centre Long John Hill, NR1 2EX	48	0
Leeway Womens Aid	City Hall, St Peters Street, NR2 1NH	8	0
Little Peoples Montessori Nursery	St Pauls Mission Hall Magdalen Road, NR3 4LN	30	0
Little Sparks Playgroup	Hellesdon Road, NR6 5EG	26	0
Magdalen Gates Pre-School	Bull Close Road, NR3 1NG	24	0
Milestones Day Nursery	Norman Community Centre Bignold Road, NR3 2QZ	50	6
Nelson Pre-school	Nelson First School Nelson Street, NR2 4DR	40	0
Nightingales Day Nursery	382 Bowthorpe Road, NR5 8AG	32	9
Patchwork Childcare	St Mary Magdalene Church Silver Road, NR3 4TF	26	1
Pavilion Playschool	Waterloo Park Entrance Angel Road, NR3 3HR	26	0
St Giles Nursery School	38a St Giles Street, NR2 1LL	59	9
St Peters Pre-School	St Peters Methodist Church Park Lane, NR2 3EQ	26	1
Starting Out Day Nursery	Sure Start Centre 63 Wolfe Road, NR1 4HT	29	0
The Beehive Childcare Group	Eaton Parish Hall Colman Road, NR4 7AW	26	8
The Hewett School, Norwich	Hewett School, Cecil Road, NR1 2PL	32	5
Treehouse Children's Centre	30 Chatham Street, NR3 3DN	34	0
Tuckswood Pre-school	Tuckswood First School Allanadale Road, NR4 6BP	26	0
University Of East Anglia Day Nursery	University Of East Anglia Earlham Road, NR4 7TJ	106	20
West Earlham Playgroup	Community Centre Wilberforce Road, NR5 8ND	26	2
Woodside Nursery Community School	Witard Road, NR7 9XD	44	12

Table C.2: Early Years Education Facilities - Norwich, 2007

Early Years Education Facilities – South Norfolk

Childcare Facilities	Address	Registered Places	Vacancies
Abbey Kindergarten Pre-School	Kett's Park Centre The Loke, NR18 0UR	26	0
Bouncing Beans	197 Norwich Road, NR18 0SJ	27	0
Busy Bees	Busy Bees Nursery Colney Lane, NR4 7UX	102	2
Cleverclogs Nursery	30 Oakfields Road, NR4 6XF	38	4
Cringleford Crackerjacks	St Peters Church Hall Newmarket Road, NR4 6UE	30	0
Hethersett Pre-School Playgroup	Great Melton Road, NR9 3AB	25	10
Ladybird Playgroup - Wymondham	Community Centre Lime Tree Avenue, NR18 0EL	26	0
Long Stratton Pre-School	The Village Hall Ipswich Road, NR15 2TB	25	0
Mulbarton Children's Centre	Mulbarton Village Hall The Common, NR14 8AE	26	4
Newton Flotman Pre-school	Grove Close, NR15 1QF	26	7
Orchard Nursery School	Ketteringham Hall Church Road, NR18 9RS	40	7
Poringland Playgroup	The Village Hall The Street, NR14 7LD	21	7
Puddleducks Playgroup	The Scout Headquarters The Common, NR14 8JS	20	3
Rockinghorse Day Nursery	6-8 Great Melton Road, Hethersett, NR9 3AB	45	3
St Helens Pre-school	St Helens Church Hall Gurney Road, NR5 0HH	26	16
Stepping Stones Pre-School	Catholic Church Hall Norwich Road, NR18 0SH	26	8
Stoke Holy Cross Pre-School	The Pavilion Long Lane, NR14 8LY	18	0
Sunbeams Pre-school	Bramerton Village Hall East Hill Lane, NR14 7EQ	18	7
Sunshine Family Centre	441 Dereham Road, New Costessey, NR5 0SG	44	2
Tas Valley Pre-School And Playgroup	Tasburgh Village Hall Grove Lane, NR15 1LR	26	5

Table C.3: Early Years Education Facilities - South Norfolk, 2007

Primary Schools – Broadland

Primary Schools	Address	Planned Capacity	Spare Capacity
Arden Grove First & Nursery School	Arden Grove Hellesdon, Norwich, NR6 6QA	165	20
Blofield Primary	North Street, Blofield, Norwich, NR13 4RH	205	-5
Brundall Primary	Braydeston Avenue, Brundall, Norwich, NR13 5JX	385	63
Cecil Gowing First School	Falcon Road West, Sprowston, Norwich. NR7 8NZ	180	21
Drayton CE VC Middle	School Road, Drayton, Norwich, NR8 6EF	360	44
Drayton Community First School	School Road, Drayton, Norwich,NR8 6EP	270	56
Falcon Middle	Falcon Road West, Sprowston, Norwich, NR7 8NT	360	17
Firside Middle	Middleton's Lane, Hellesdon, Norwich, NR6 5NF	320	32
Garrick Green First School, Norwich	Garrick Green, Old Catton, Norwich, NR6 7AL	150	33
Heather Avenue First School	Heather Avenue, Hellesdon, Norwich, NR6 6LT	120	32
Hemblington Primary	Mill Road, Blofield Heath, Norwich	124	6
Hillside Avenue Primary	Hillside Avenue, Thorpe St. Andrew, Norwich, NR7 0QW	420	-83
Horsford All Saints CoE Middle	Mill Lane, Horsford, Norwich	300	42
Horsford CoE First School	Holt Road, Norwich, NR10 3DN	225	72
Horsham St. Faith First School	25 Manor Road, Horsham St. Faith, Norwich, NR10 3LF	119	37
Kinsale First School	Kinsale Avenue, Hellesdon, Norwich, NR6 5SG	150	33
Kinsale Middle	Kinsale Avenue, Hellesdon, Norwich, NR6 5SG	200	-20
Little Plumstead CoE Primary	Witton Lane, Little Plumstead	171	7
Lodge Lane First School	Lodge Lane, Norwich, NR6 7HL	225	27
Nightingale First School, Taverham	Nightingale Drive, Taverham, Norwich, NR8 6LA	180	16
Old Catton CoE Middle	Church Street, Old Catton, Norwich, NR6 7DS	200	53
Rackheath Primary	Willoughby Way, Rackheath	136	-4
Sparhawk First School & Nursery	Sparhawk Avenue, Sprowston, Norwich, NR7 8BU	90	23
Spixworth First School	Ivy Road, Spixworth, Norwich, NR10 3PX	150	30
Sprowston Middle	Recreation Ground Road, Sprowston, Norwich, NR7 8EW	240	-5
St Williams Primary	Williams Loke, St. Williams's Way, Thorpe St. Andrew, Norwich, NR7 0AJ	420	-141
Taverham Middle	Taverham Road, Taverham, Norwich, NR8 6SX	480	-24
Taverham, Ghost Hill First and Nursery	Eastfield, Taverham, Norwich, NR8 6PJ	180	16
White Woman Lane Middle	White Woman Lane, Sprowston, Norwich, NR6 7JA	300	26
Woodland View Middle	Ivy Road, Spixworth, Norwich, NR10 3PY	180	-39

Table C.4: Primary Schools - Broadland, 2007

Primary Schools – Norwich

Primary Schools	Address	Planned Capacity	Spare Capacity
Angel Road Middle	Angel Road, Norwich, NR3 3HS	360	38
Avenue Middle	Avenue Road, Norwich, NR2 3HP	420	32
Bignold Primary	Wessex Street, Norwich, NR2 2SP	420	69
Bluebell Primary School	Lovelace Road, Norwich,NR4 7DS	210	59
Catton Grove Primary	Weston Road, Norwich, NR3 3TP	525	142
Cavell First & Nursery School	Duckett Cl, Norwich, NR1 2LR	210	38
Chapel Break First School	Thurlby Road, Chapel Break, Norwich, NR5 9LU	180	30
Clover Hill First School & Nursery	Rawley Road, Bowthorpe, Norwich, NR5 9AP	180	84
Colman First School	Colman Rd, Norwich, NR4 7AW	180	49
Colman Middle	South Park Avenue, Norwich, NR4 7AU	250	20
George White Middle	Silver Road, Norwich, NR3 4RG	360	148
Heartsease Primary	Rider Haggard Road, Norwich, NR7 9UE	420	38
Lakenham Primary	Hospital Lane, Norwich, NR1 2HW	420	164
Larkman Primary	Clarkson Road, Norwich, NR5 8ED	420	130
Lionwood Infant And Nursery School	Telegraph Lane East, Norwich, NR1 9UE	270	103
Magdalen Gates First School	Bull Close Rd, Norwich, NR3 1NG	210	-42
Mousehold First School & Nursery	Mousehold Avenue, Norwich, NR3 4RS	270	109
Nelson First School	Northumberland Street, Norwich, NR2 4DR	180	48
Norman Primary School	Brasier Road, Norwich,NR3 2QU	420	51
Ranworth First School	Irstead Road, Norwich, NR5 8DZ	182	109
Recreation Road Infant School	Recreation Road, Norwich, NR2 3PA	315	-16
St Michaels VA Middle	Astley Road, Chapel Break, Bowthorpe, Norwich, NR5 9LA	360	70
St. Thomas More RC Middle School	Jessopp Rd, Norwich, NR2 3QB	360	12
Thorpe Hamlet Middle	Wolfe Road, Norwich, NR1 4HT	360	182
Tuckswood Primary School	Allandale Rd, Norwich, NR4 6BP	315	112
Valley Primary School	Knowland Grove, Norwich, NR5 8YD	315	72
Wensum Middle	Turner Road, Norwich, NR2 4HB	240	99
West Earlham Community First School	Scarnell Rd, Norwich, NR5 8HT	180	18
West Earlham Middle	Scarnell Road, Norwich, NR5 8HT	240	35

Table C.5: Primary Schools - Norwich, 2007

Primary Schools – South Norfolk

Primary Schools	Address	Planned Capacity	Spare Capacity
Costessey Infant School	Beaumont Road, Costessey, Norwich, NR5 0HG	210	56
Costessey Junior	Three Mile Lane, Costessey, Norwich, NR5 0RR	373	75
Cringleford VA CoE First & Middle	Cantley Lane, Cringleford, Norwich, NR4 6UG	210	6
Hapton CoE VC Primary	The Street, Hapton, Norwich, NR15 1AD	49	23
Hethersett VC Middle	22 Queen's Road, Hethersett, Norwich, NR9 3DB	300	44
Hethersett Woodside First & Nursery School	Firs Rd, Hethersett, Norwich, NR9 3EQ	180	26
Little Melton First	School Lane, Little Melton, Norwich, NR9 3AD	88	21
Mulbarton Community First School	The Common, Mulbarton, Norwich, NR14 8JG	180	54
Mulbarton Middle	The Common, Mulbarton, Norwich, NR14 8JG	220	50
Newton Flotman CoE VC Primary	School Road, Newton Flotman, Norwich, NR15 1PR	105	-13
Poringland Primary School	The Footpath, Poringland, Norwich, NR14 7RF	324	53
Preston CoE Primary	Henry Preston Road, Tasburgh, NR15 1NU	119	11
Robert Kett Junior	Hewitts Lane, Wymondham, NR18 0LS	540	-31
Spooner Row Primary	Spooner Row, Wymondham, NR18 9JR	91	12
St Augustine's Catholic Primary	West End, Old Costessey, Norwich, NR8 5AG	210	4
St Mary's VC Middle	Swan Lane, Long Stratton, NR15 2UY	332	86
St Peter's CoE VC Primary	Marlingford Road, Easton, Norwich, NR9 5AD	105	13
Stoke Holy Cross Primary	Long Lane, Stoke Holy Cross, NR14 8LY	189	-11
Surlingham Community Primary	Walnut Hill, Surlingham, NR14 7DQ	91	4
The Bawburgh	Hockering Lane, Bawburgh, Norwich, NR9 3LR	105	9
Trowse Primary	Dell Loke, Trowse, Norwich, NR14 8TH	105	6

Table C.6: Primary Schools - South Norfolk, 2007

Secondary Schools – Broadland

Secondary Schools	Address	Total no. of pupils on roll	Spare Capacity
Hellesdon High	187 Middletons Lane, Hellesdon, Norwich, NR6 5SB	1,154	0
Sprowston Community High	Cannerby Lane, Sprowston, Norwich, NR7 8NE	1,454	0
Taverham High	Beech Avenue, Taverham, Norwich, NR8 6HP	868	0
Thorpe St Andrew	Laundry Lane, Thorpe St. Andrew, Norwich, NR7 0XS	1,711	0

Table C.7: Secondary Schools- Broadland, 2007

Secondary Schools - Norwich

Secondary Schools	Address	Total no. of pupils on roll	Spare Capacity
City of Norwich School	Eaton Road, Norwich, NR4 6PP	1,356	0
Earlham High School	Earlham Road, Norwich, NR4 7NU	854	0
Heartsease High	Marryat Road, Norwich, NR7 9DF	393	0
Notre Dame High	Surrey Street, Norwich, NR1 3PB	1,276	0
The Blyth-Jex School	St. Clement's Hill, Norwich, NR3 4BX	871	0
The Hewett School	Cecil Road, Norwich, NR1 2PL	1,160	0

Table C.8: Secondary Schools- Norwich, 2007

Secondary Schools - South Norfolk

Secondary Schools	Address	Total no. of pupils on roll	Spare Capacity
Costessey High	Middleton Crescent, Norwich, NR5 0PX	1,000	0
Framingham Earl High	Norwich Road, Framingham Earl, Norwich, NR14 7QP	751	0
Hethersett High	Queen's Road, Hethersett, Norwich, NR9 3DB	631	0
Long Stratton High	Manor Road, Long Stratton, Norwich, NR15 2XR	603	0
Wymondham College	Golf Links Road, Wymondham, NR18 9SZ	1,026	0
Wymondham High	Folly Road, Wymondham, NR18 0QT	1,386	0

Table C.9: Secondary Schools- South Norfolk, 2007

- HEALTHCARE GP Surgeries

GP Surgeries	GPs	Address	District
Brundall Medical Centre	5	The Dales, Brundall, NR13 5RP	Broadland
Dr Miller & Partners	4	Plantation Road, Blofield, NR13 4PL	Broadland
Dr Rivett & Partners	7	20 Norwich Road, NR10 3LB	Broadland
Hellesdon Medical Practice	4	343 Reepham Road, NR6 5QJ	Broadland
Horsford Medical Centre	3	205 Holt Road, Horsford, NR10 3DX	Broadland
Old Catton Surgery	5	55 Lodge Lane, NR6 7HQ	Broadland
The Taverham Partnership	8	Sandy Lane, Taverham, NR8 6JR	Broadland
Thorpe Health Centre	6	Williams Loke, St. Williams Way, NR7 0AJ	Broadland
Willow Wood Surgery	5	Aslake Close, NR7 8TT	Broadland

Table C.10: GP Surgeries - Broadland

GP Surgeries	GPs	Address	District
Bacon Road Medical Centre	3	16 Bacon Road, NR2 3QX	Norwich
Castle Partnership Tuckswood Surgery	13	Hall Road, Norwich, NR4 6NE	Norwich
Lawson Road Surgery	4	Lawson Road, NR3 4LE	Norwich
Newmarket Road Surgery	4	7 Newmarket Road, NR2 2HL	Norwich
Oak Street Medical Practice	6	Oak Street, NR3 3DL	Norwich
Old Palace Medical Practice	1	148 Old Palace Road, NR2 4JA	Norwich
Prospect Medical Practice	2	95 Aylsham Road, NR3 2HW	Norwich
St Stephen's Gate Medical Practice	10	1 Victoria Street, NR1 3QX	Norwich
The Gurney Surgery	13	Magdalen Street, NR3 1LN	Norwich
The Health Centre	2	West Pottergate, NR2 4BX	Norwich
The Health Centre - UEA	10	Earlham Road, NR4 7TJ	Norwich
The Lakenham Surgery	5	1 Ninham Street, NR1 3JJ	Norwich
The Magdalen Medical Practice	9	Lawson Road, NR3 4LF	Norwich
The Surgery	5	1 Trinity Street, NR2 2BG	Norwich
The Surgery	4	29 Woodcock Road, NR3 3UA	Norwich
Thorpewood Medical Group	8	Woodside Road, Thorpe St andrew, NR7 9QL	Norwich
Yare Valley Medical Practice	7	202 Thorpe Road, NR1 1TJ	Norwich

Table C.11: GP Surgeries - Norwich

GP Surgeries	GPs	Address	District
Heathgate Surgery	5	The Street, Poringland, NR14 7JT	South Norfolk
Long Stratton Medical Partnership	5	Swan Lane, Long Stratton, NR15 2UY	South Norfolk
Old Mill Surgery	3	Stoke Road, Poringland, NR14 7JL	South Norfolk
The Humbleyard Practice	7	Cantley Lane, Cringleford, NR4 6TA	South Norfolk
The Medical Centre	4	Longwater Lane, Old Costessey, NR8 5AH	South Norfolk
Windmill Surgery	3	30 Melton Road, Wymondham, NR18 0DB	South Norfolk
Wymondham Medical Partnership	12	Postmill Close, Wymondham, NR18 0RF	South Norfolk

Table C.12: GP Surgeries - South Norfolk

Branch GP Surgeries

Branch GP Surgeries	Additional GPs	Address	District
Dr Hunter & Partners	0	Newman Road, Rackheath, NR13 6PN	Broadland
Dr Malpas & Partners	0	20 St Peters Way, Spixworth, NR10 3NS	Broadland
Drayton & St. Faith's Medical Practice	0	Manor Farm Close, Drayton, NR8 6EE	Broadland
Dr Thompson & Partners	0	Pound Lane, Thorpe St andrew, NR7 0SR	Broadland
Sprowston Primary Care Centre	0	Aslake Close, NR7 8DG	Broadland
Bates Green Health Centre	0	8a Bates Green, NR5 8YT	Norwich
Dr Okoro & Partners	0	Rider Haggard Road, NR7 9UQ	Norwich
Mile End Road Surgery	0	29 Mile End Road, NR4 7QX	Norwich
The Health Centre	0	Adelaide Street, NR2 4JL	Norwich
The Trinity & Bowthorpe Medical Practice	0	Bowthorpe Health Centre, Wendene, NR5 9HA	Norwich
Dr Beeby & Partners	0	The Common, Mulbarton, NR14 8JG	South Norfolk
Dr Beeby & Partners	0	Great Melton Road, Hethersett, NR9 3AB	South Norfolk
Dr Gibson	0	St. Mary's Close, Newton Flotman, NR15 1AH	South Norfolk
Dr Lockett & Partners	0	Beechcroft, NR5 0RS	South Norfolk

Table C.13: Branch GP Surgeries

Hospitals

Hospitals	Address	District
Hellesdon Hospital	Drayton High Road, Norwich, NR6 5BE	Broadland
Meadowlands	214 Yarmouth Road, Norwich, NR7 0SN	Broadland
Norvic Clinic	Northside, St Andrews Business Park, Norwich, NR7 0HT	Broadland
Taverham	156 Kingswood Avenue, Taverham, Norwich, NR8 6UR	Broadland
Colman Hospital	Unthank Road, Norwich, NR2 2PJ	Norwich
Julian Hospital	Bowthorpe Road, Norwich, NR2 3TD	Norwich
Norwich Community Hospital	Bowthorpe Road, Norwich, NR2 3TU	Norwich
Ogden Court	Ogden Close, Wymondham, NR18 0PE	South Norfolk
Norfolk and Norwich University Hospital	Colney Lane, Colney, Norwich, NR4 7UY	South Norfolk

Table C.14: Hospitals

^{*} Note - Branch GP Surgeries are subsidiaries of GP Surgeries. They share staff and therefore offer no additional GPs to the NPA

Dentists

Dentist Surgery Name	Dentists	Address	District
Friends Dental Practice	3	185 Wroxham Road, Norwich, Norfolk, NR7 8AG	Broadland
Hellesdon House	1	28 Hellesdon Mill Lane, Hellesdon, Norwich, NR6 5AY	Broadland
John G Plummer & Associates	17	Thorpe Dental Centre, Thorpe St andrew, Norwich, NR7 0UD	Broadland
Miss B Wilmers & Associates	2	75 Spixworth Road, Old Catton, Norwich, Norfolk, NR6 7NQ	Broadland
P E Roos & Associates	1	183 Reepham Road, Norwich, Norfolk, NR6 5NZ	Broadland
P E Roos & Associates	3	4 Wroxham Road, Norwich, Norfolk, NR7 8TZ	Broadland
Spixworth Dental Practice	2	86 Crostwick Lane, Spixworth, Norwich, Norfolk, NR10 3AF	Broadland
Taverham Dental Health Centre	2	Fakenham Road, Taverham, Norwich, Norfolk, NR8 6QW	Broadland
All Saints Green Dental Practice	6	41 All Saints Green, Norwich, Norfolk, NR1 3LY	Norwich
Brunswick Dental Care	3	13 Brunswick Road, Norwich, Norfolk, NR2 2HA	Norwich
Corner House Dental Practice	5	31 Unthank Road, Norwich, Norfolk, NR2 2PB	Norwich
Cotman House Dental Surgery	1	7 St. Martin At Palace Plain, Norwich, NR3 1RN	Norwich
Dr J Miller	1	19 Cathedral Street, Norwich, Norfolk, NR1 1LU	Norwich
Golden Triangle Dental Practice	4	88 Earlham Road, Norwich, Norfolk, NR2 3HA	Norwich
Guildhall Dental Practice	4	9 Upper Goat Lane, Norwich, Norfolk, NR2 1EW	Norwich
Mr & Mrs Flint	2	23 Witard Road, Norwich, Norfolk, NR7 9XD	Norwich
Mr & Mrs Harris & Associates	2	50 Earlham West Centre, Norwich, NR5 8AD	Norwich
Mr G Gill	1	24 St Stephens Road, Norwich, Norfolk, NR1 3QU	Norwich
Mr J Q Peirson	1	148-150 Aylsham Road, Norwich, Norfolk, NR3 2HD	Norwich
Mr J Stokes	1	10-12 Cathedral Street, Norwich, Norfolk, NR1 1LX	Norwich
Mr L Khangura	1	49 Ipswich Road, Norwich, Norfolk, NR2 2LN	Norwich
Mr S Elphick & Associates	3	78a Hall Road, Norwich, Norfolk, NR1 3HP	Norwich
Mr S R Patel	1	177 Unthank Road, Norwich, Norfolk, NR2 2PQ	Norwich
Orford Hill Dental Surgery	1	8 Orford Hill, Norwich, Norfolk, NR1 3QD	Norwich
Palace Plain Orthodontic Practice	3	9 St. Martin At Palace Plain, Norwich, NR3 1RN	Norwich
Peacock & Fletcher Dental Practice	5	42 Prince Of Wales Road, Norwich, Norfolk, NR1 1LG	Norwich
Recreation Road Dental Practice	4	1 Recreation Road, Norwich, Norfolk, NR2 3PA	Norwich
Siskin Dental Centre	7	Bowthorpe Road, Norwich, Norfolk, NR2 3TU	Norwich
The Dental Department	2	UEA Health Centre, Norwich, Norfolk, NR4 7TJ	Norwich
The Heartsease Dental Surgery	3	199 Plumstead Road, Norwich, Norfolk, NR1 4AB	Norwich
Thorpe Road Dental Practice	13	60 Thorpe Road, Norwich, Norfolk, NR1 1RY	Norwich
Treetops Dental Practice	1	Suite 1 11 Pottergate, Norwich, NR2 1DS	Norwich
Beechcroft Dental Practice	1	Beechcroft, Norwich, Norfolk, NR5 0RS	South Norfolk
Dr M Edres	1	3 Queen Street, Wymondham, NR18 0AY	South Norfolk
Hethersett Dental Surgery	1	33a Great Melton Road, Hethersett, Norwich, NR9 3AB	South Norfolk
John G Plummer & Associates	9	5 Upper Stafford Avenue, Norwich, Norfolk, NR5 0AB	South Norfolk
John G Plummer & Associates	5	Postmill Close, Wymondham, NR18 0RF	South Norfolk
Market Place Dental Surgery	2	1 Bridewell Street, Wymondham, Norfolk, NR18 0AR	South Norfolk
Mr M Ter-Berg	3	The Street, Long Stratton, Norwich, Norfolk, NR15 2XJ	South Norfolk
Mr R Tilly	1	The Common, Mulbarton, Norwich, Norfolk, NR14 8AE	South Norfolk

Table C.15: Dentist Surgeries

- COMMUNITY FACILITIES

Community Centres

Community Centres	Address	District
Hellesdon Community Centre	Middletons Lane, NR6 5SR	Broadland
Dussindale Community Centre	Pound Lane, Thorpe St. Andrew, NR7 0SR	Broadland
Belvedere Community Centre	Belvoir Street, Norwich, NR2 3AZ	Norwich
Cadge Road Community Centre	Cadge Road, North Earlham, Norwich, NR5 8DG	Norwich
Catton Grove Community Centre	Jewson Road, NR3 3RQ	Norwich
Chapel Break Community Centre	Harpsfield, Chapel Break, Bowthorpe, Norwich NR5 9LG	Norwich
Clover Hill Community Centre	Humbleyard, Bowthorpe, Norwich NR5 9BN	Norwich
Eaton Park Neighbourhood Centre	South Park Avenue, Norwich NR4 7AZ	Norwich
Frere Road Community Centre	Frere Road, Heartsease, Norwich, NR7 9UT	Norwich
Greenfields Community Centre	Ives Road, Fiddlewood, Norwich, NR6 6DY	Norwich
Fourways Community Centre	Stevenson Road, NR5 8TN	Norwich
Gurney Centre (NELM Development Trust)	Irstead Road, NR5 8DZ	Norwich
Harford Community Centre	Peterkin Road, Tuckswood, Norwich NR4 6LQ	Norwich
Jubilee Community Centre	Jubilee Park, Long John Hill, NR1 2EX	Norwich
Marlpit Community Centre	Hellesdon Road, NR6 5EQ	Norwich
Norman Centre	Bignold Road, NR3 2QZ	Norwich
OPEN Youth venue	20 Bank Plain, NR2 4SF	Norwich
Pilling Park Community Centre	Pilling Park Road, NR1 4PA	Norwich
Russell Street Community Centre	Russell Street, Norwich NR2 4DZ	Norwich
West Earlham Community Centre	10 Wilberforce Road, NR5 8ND	Norwich
Wensum Community Centre	Hotblack Road, Norwich, NR2 4HG	Norwich
Ketts Park Community & Recreation Centre	Harts Farm Road Wymondham, NR18 0UR	South Norfolk
North Wymondham Community Centre	Lime Tree Avenue. Wymondham, NR18 0EL	South Norfolk

Table C.16: Community Centres

Libraries

Libraries	Address	District
Brundall Library	90 The Street, Brundall, NR13 5LH	Broadland
Blofield Library	The Reading Room, Blofield, NR13 4RQ	Broadland
Hellesdon Library	Woodview Road, Hellesdon, NR6 5SR	Broadland
Sprowston Library	Recreation Ground Road, Sprowston, NR7 8EW	Broadland
St Williams Way Library	Williams Loke, St Williams Way, NR7 0AJ	Broadland
Taverham Library	Sandy Lane, Taverham, NR8 6JR	Broadland
Earlham Library	Colman Road, Norwich, NR4 7HG	Norwich
Mile Cross Library	Aylsham Road, Norwich, NR3 2RJ	Norwich
Norfolk & Norwich Millenium Library	The Forum, Millenium Plain, Norwich, NR2 1AW	Norwich
Plumstead Road Library	Plumstead Road, Norwich, NR1 4JS	Norwich
Tuckswood Library	Robin Hood Road, Norwich, NR4 6BX	Norwich
West Earlham Library	17/18 Earlham West Centre, Norwich, NR5 8AD	Norwich
Costessey Library	Breckland Road, Costessey, NR5 0RW	South Norfolk
Hethersett Library	Queens Road, Hethersett, NR9 3DB	South Norfolk
Long Stratton Library	The Street, Long Stratton, NR15 2XJ	South Norfolk
Wymondham Library	2 Church Street, Wymondham, NR18 0PH	South Norfolk

Table C.17: Libraries

- LEISURE AND RECREATION FACILITIES Leisure Centres

Leisure Centres	Address	District
Riverside Swimming Centre	Wherry Road, NR1 1WX	Norwich
The Norman Centre	Bignold Road, NR3 2QZ	Norwich
Framingham Earl Community Sports Centre	Framingham Earl High School, NR14 7QP	South Norfolk
Long Stratton Leisure Centre	Swan Lane, Long Stratton, NR15 2UY	South Norfolk
Wymondham Leisure Centre	Norwich Road, Wymondham, NR18 0NT	South Norfolk

Table C.18: Leisure Centres

- OPEN SPACE Open Space – Broadland

Site Type	Area (ha)	Number of Sites
Allotments	7.48	6
Amenity greenspace	12.27	9
Bowling green	0.50	4
Children's play area	1.77	15
Common	34.25	3
Pitches/playing field	39.36	9
Recreation ground	86.19	32
Total Open Space	181.82	78

Table C.19: Open Space - Broadland

^{*} Note – The Norwich Policy Area also has 6 Mobile Library Units that operate in the area

Open Space - Norwich

Site Type	Area (ha)	Number of Sites
Open Space	226.93	220
Allotments	43.19	18
Parks	125.04	21
Play areas	11.44	81
Teenage Recreation Areas	3.01	29
Total Open Space	409.61	369

Table C.20: Open Space - Norwich

Open Space – South Norfolk

Site Type	Area (ha)	Number of Sites
Allotments	5.75	10
Amenity greenspace	31.63	49
Bowling green	0.63	7
Children's play area	4.83	20
Common	60.9	9
Pitches/playing field	59.9	20
Recreation ground	46.67	16
Total Open Space	210.31	131

Table C.21: Open Space - South Norfolk

- ESSENTIAL AND EMERGENCY FACILITIES Police Stations

Police Stations	Address	District
Sprowston	107 Wroxham Road, Sprowston, NR7 8TU	Broadland
Norwich	Bethel Street, NR2 1NN	Norwich
Long Stratton	Ipswich Road, Long Stratton, NR15 2TB	South Norfolk
Operations and Communications Centre	Jubilee House, NR18 0WW	South Norfolk

Table C.22: Police Stations

Neighbourhood Police Units

Neighbourhood Police Units	Address	District
Taverham Beat Base	6 Windsor Chase, NR8 6LW	Broadland
Bowthorpe Beat base	Wendene, NR5 9AH	Norwich
Earlham Sectoin Box	Colman Road, NR4 7HQ	Norwich
Mile Cross Section Box	Woodcock Road, NR3 3TX	Norwich
Thorpe Hamlet Beat Base	63a Thrope Road, NR1 1UD	Norwich
Tuckswood Section Box	Hall Road, NR1 2SA	Norwich
Costessey Beat Base	Parish Rooms, Townhouse Road, NR5 0SJ	South Norfolk

Table C.23: Neighbourhood Police Units

Fire Stations

Fire Stations	Address	District
North Earlham	Ivy Road, North Earlham, NR5 8BQ	Norwich
Norwich	Bethel Street, Norwich, NR2 1NW	Norwich
Sprowston	Chartwell Road, Norwich, NR7 8TA	Norwich
Hethersett	Whitegates, Hethersett, NR9 3DN	South Norfolk
Long Stratton	Swan Lane, Long Stratton, NR15 2XH	South Norfolk
Wymondham	London Road, Wymondham, NR18 9AW	South Norfolk

Table C.24: Fire Stations

Ambulance Stations

Ambulance Stations	Address	District
Hellesdon Ambulance Station	Ambulance Station Hospital Lane, Hellesdon, Norwich, Norfolk, NR6 5NA	

Table C.25: Ambulance Stations

APPENDIX - D

SOCIAL INFRASTRUCTURE DATA SOURCES AND VALIDATORS

Education			
		Age Range	% of age group
Proportion of age group requiring Nursery Provision	LLV Regeneration Strategy - SES - Social Infrastructure Paper	0-1 year olds	20%
		1-2 year olds	20%
		2-3 year olds	45%
		Age Range	Pupils per Form Entry
Primary and Secondary Form Entry Sizes	DfES	Primary Schools (4 to 10 years)	210
		Secondary Schools (11 to 15 years)	150
		Age Range	% of Pupils
Proportion of Pupils not educated by LEA	LTGSIF Research - backed up by NCC Children's Services profile	Primary Schools (4 to 10 years)	5%
1		Secondary Schools (11 to 16 years)	5%
Health & Social Care			
Health Services	Source		People per GP
GP requirements	Department of Health, "General Medical Services Statistics, Primary Care Trusts", 2004		Broadland = 1,524 Norwich = 1,362 South Norfolk = 1,560
			People per Dentist
Dentist requirements	School for Health, University of Bath - May 2004		2,000
			People per Bed
Acute Hospital bed Requirement	Thames Valley Strategic Health Autho	prity	480
			People per Bed
Other Hospital bed Requirement (inc. Mental)	Thames Valley Strategic Health Autho	prity	1,430

Table D.1: Education Standards and Assumptions

Lainuma 9 Danmartian			
Leisure & Recreation			
			F
			La
	Source		(s 25
Leisure facilities			2.
Swimming Pool	Sports England - Sports Facility Calculator		53
			Uni
			10 per
Sports Hall Courts	Sports England - Sports Facility Calculator	Courts	0.
	-1 - 3 - 1 - 7 - 7 7		
			Uni
			10 per
Indoor bowls rinks	Sports England - Sports Facility Calculator	Rinks	0.
	Sports England Sports Fasility Salsdator		
Community			
_	_		sq.ı
	Source		1
Community Facilities	Milton Keynes SPG – Social Infrastructure Planning	_	per
Community Space	obligations		6
Library Space	DCMS		2
Open Space			
	'		
Open Space	Source		sq.r
			pe
Recreational Open Space	NPFA Open Space Standards	Playing pitches	12
		Informal open space	4
			cau
			sq.r pe
Children's Play Space	NPFA Open Space Standards	Children's play space	7
			sq.r
			pe
Allotments	NPFA Open Space Standards	Allotments	2
			sq.r
			pe
All Space required to maintain borough	LTGSIF Research = existing open space / existing population	All Open Spaces	2
average	population	All Open Spaces	24

Table D.2: Leisure & Recreation, Community and Open Space Standards and Assumptions

Essential and Emergency Services			
Police Service	Source		people per officer
Officers required to maintain average	Norfolk Police Service		697
Fire Service	Source		Persons per Units
Population per Fire Station	Costs to Social Infrastructure Works in the LTG - G&T - 2003		64,000
			persons
Ambulance Services	Source		per additional call
Increase in Ambulance requests	East Of England Ambulance Service NHS Trust	additional calls per annum	8

Table D.3: Essential and Emergency Services Standards and Assumptions

Appendix - E

TRANSPORT MAPPING

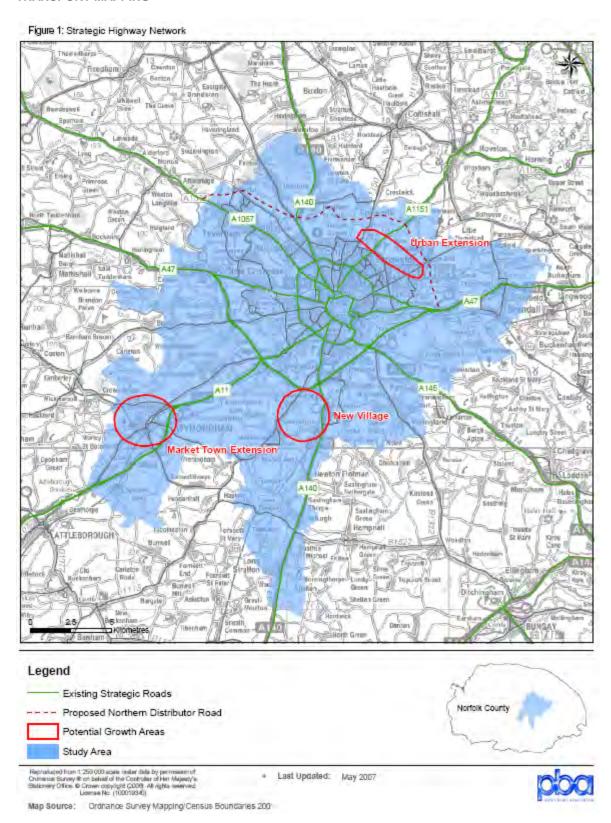
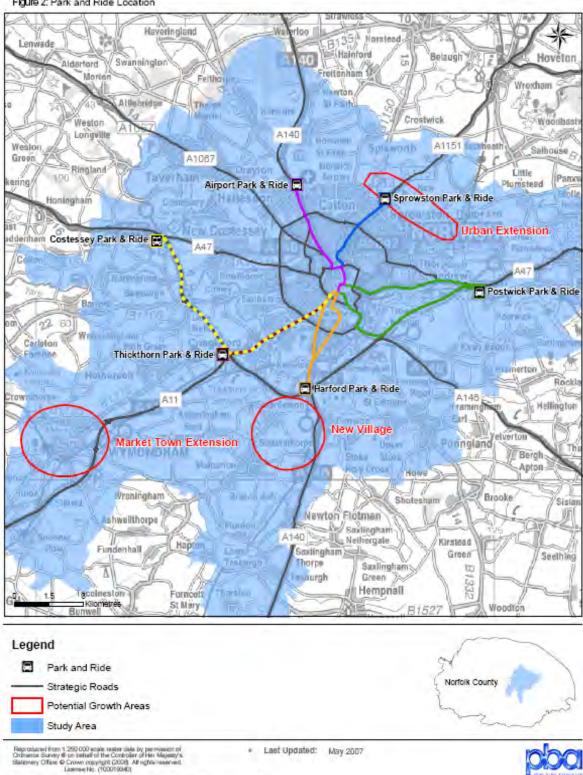


Figure 2: Park and Ride Location



Map Source: Ordnance Survey Mapping/Census Boundaries 2001

Figure 3: Bus and Rail Network

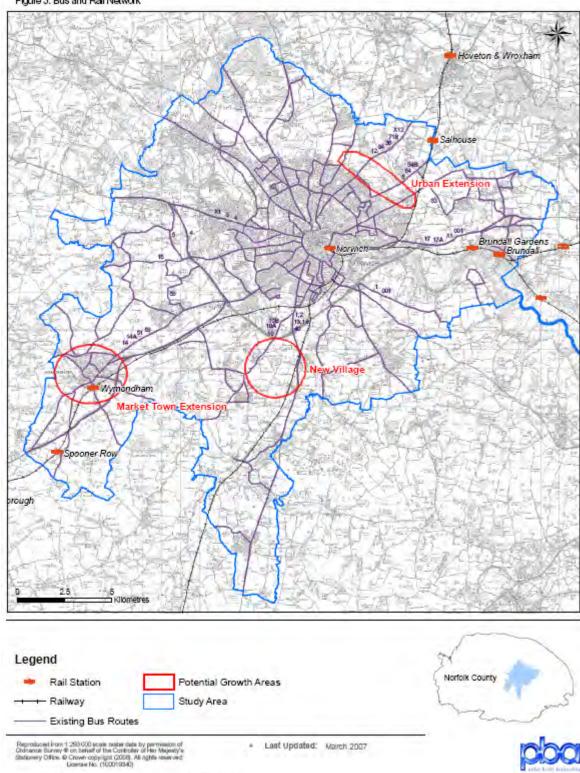


Figure 4: Existing Cycle Network

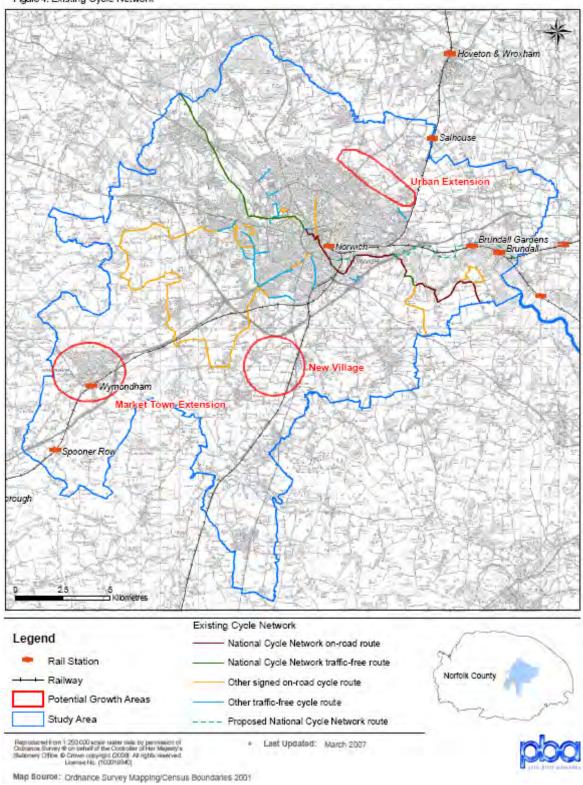


Figure 5: Strategic Employment Sites

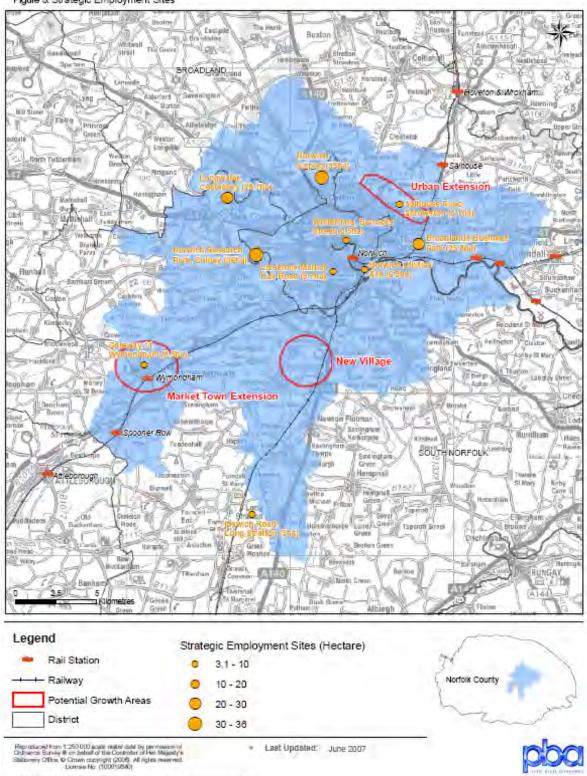
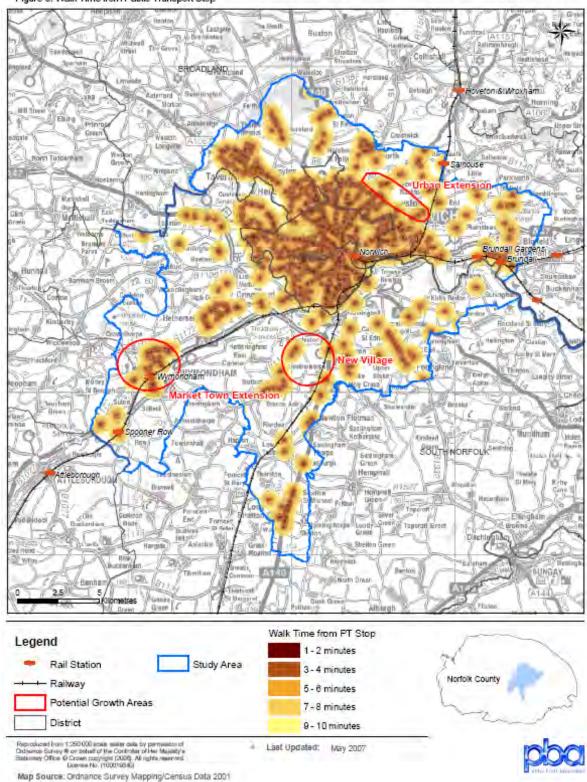


Figure 6: Walk Time from Public Transport Stop



Earliga diatrio Q/F BROADLAND Brundali Gardens MANUNDHAM derhali SOUTH NORFOLK Hersprial Ene / Astries Public Transport Accessibility Legend 0 - 15 minutes Rail Station 15 - 20 minutes Norfolk County Railway 21 - 30 minutes Potential Growth Areas 31 - 40 minute District 41 - 60 minutes Rispectuced from 1:250,000 tools make ratio by promount of Ordinance Survey (6 on behalf of the Controller of Her Meyesty in Stationery Office 40 Crown copyright (2008, All rights mane visit (Jonan No. (1007)936). Last Updated: May 2007

Figure 7: Public Transport Accessibility from the Proposed Urban Extension

en lan BROADLAND, SOUTHNORFOLK Hempnall Public Transport Accessibility Legend 0 - 15 minutes Rail Station 15 - 20 minutes Norfolk County Railway 21 - 30 minutes Potential Growth Areas 31 - 40 minute District 41 - 60 minutes Repeditored from 1,250,000 scale reader date by purpose of Ordanium Survey & on behalf of the Controller of the Majority's Stationery Office. © Crown copyright (2008, All rights manywel. Liberte No. (1000)93-60; * Last Updated: May 2007

Figure 8: Public Transport Accessibility from the Proposed Market Town Extension

Essigni Q. BROADLAND, Brundan Gardens Avamo ASHSHR NDHA SOUTH NORFOLK End. Public Transport Accessibility Legend 0 - 15 minutes Rail Station 15 - 20 minutes Norfolk County Railway 21 - 30 minutes Potential Growth Areas 31 - 40 minute District 41 - 60 minutes Reproduced from 1(290,000 scale naturable by pre-march of Ordanica Survey the oribitation from Compolar of Her Malinity's, Statemen Office & Crown copyright (2009). All rights secured. Lorenze No. (100,01996). - Last Updated: May 2007

Figure 9: Public Transport Accessibility from the Proposed New Village

Appendix - F

UTILITIES INFRASTRUCTURE – EDF REPORT



Report on Possible
Network Reinforcement
Requirements Resulting
from the Proposed
Greater Norwich Growth
Area

Peter Simpson
Infrastructure Planning Engineer

Greater Norwich Development
Partnership
Project Number:
Document Number: 1

Table of Contents

1.	General Observations and Disclaimers	3
1.1	Network Loading	3
1.2	Time periods used in study	3
1.3	Provision of Electricity Network Infrastructure	3
1.4	Existing Network Assets	4
1.5	Common Features	4
1.6	Other Local Development Frameworks	.4
2.	Generic Growth Areas	4
2.1	Alpington	4
2.2	Barrack Street	4
2.3	Cringleford	4
2.4	Hapton	5
2.5	Mousehold	5
2.6	St. Stephens	5
2.7	Thorpe Grid Local	
2.8	Tuckswood	5
3.	Specific Growth Areas	5
3.1	Earlham Grid Local Substation	
3.2	Hurricane Way Primary Substation	5
3.3	Norwich Airport North	6
3.4	Broadland Business Park	6
4.	Scenario 1	6
4.1	Broadland Sector	6
4.2	South Norfolk Sector	
5.	Scenario 2	7
5.1	South Norfolk Sector	
6.	Grid Substation Requirements	7
6.1	Hurricane Way Grid Substation	
6.2		
6.3	Trowse Grid Substation	
7.	Conclusions	
8.	Table of Costs	Q
◡.		

Possible Network Reinforcement Needs Resulting from the GNDP Growth Proposals

1. General Observations and Disclaimers

1.1 Network Loading

The network loading and available substation capacities used to produce this document are based on a snapshot of the network at a particular time during the winter of 2006/7. There are a number of proposed developments within the Greater Norwich Development Partnership (GNDP) area which are in various stages in the connection application process. Most of these prospective demands have not been taken into account in this study as there is no certainty that these developments will proceed to final connection. There may be other applicants who have yet to make application for new demand, which may proceed to final connection before some of the prospective developments indicated by the GNDP. Any network capacity taken up by these developments will no longer be available for use by GNDP projects. For this reason, the information provided in this document must be treated as indicative of the likely solutions rather than an absolute statement that these will be the solutions which are adopted should the proposals proceed.

1.2 Time periods used in study

In order to simplify the assessments, the proposed growth scenarios have been grouped into two time slots the first being from 2007 to 2012 and the second from 2013 to 2021. There is little point in extending the projections beyond 2021 as there may be other factors or policies that will influence the likely electrical demand. The majority of the loading figures provided for the non-specific growth areas are obviously generic in nature and therefore it is very unlikely that this growth will occur in the evenly distributed manner in which it has been presented. Therefore, it is difficult to predict the precise time at which a particular network reinforcement project may be required but it is probable that they will all need to be in place before 2021.

1.3 Provision of Electricity Network Infrastructure

Every new development will require its own on-site electrical infrastructure. The cost of this infrastructure is broadly the same regardless of the site location and is not included in any figures given in this document. Any figures given relate only to the cost of and/or any contribution required towards the provision of up-stream infrastructure. The figures are generic costs based on costs of similar projects and are not derived from site-specific proposals or agreed cable routes. These costs include the provision of Primary Substations, the 33,000 volt circuits necessary to supply those Primary Substations and any additional 33,000 volt switchgear which will be required at the 132,000/33,000 volt Grid Substations in order to connect the new cables. Any figures quoted do not, therefore, give any indication of the total contribution that would be required for any

particular development, only the contribution required for off-site upstream reinforcement work down to the 11,000 volt switchgear at the primary substation. Under the connection charging policy in force at this time, the cost of establishing 132,000 volt infrastructure and 132,000/33,000 grid substations is borne by the general mass of customers through distribution use of system charges and not by individual developers. However, these policies are reviewed periodically and there is no certainty that this policy will be in force for the duration of the GNDP proposals.

1.4 Existing Network Assets

Many of the areas identified as sites for possible development are crossed by EDF Energy Networks circuits both overhead and underground at various voltages up to and including 132,000 volts. No allowance has been made for the cost of diverting these assets as it is not possible to determine this until much later in the process once site layouts have been determined.

1.5 Common Features

The two scenarios differ only in respect of the proposal to place the bulk of the residential development either at Sprowston/Rackheath and Wymondham (Scenario 1), or concentrated in a new village in the Swardeston/Mangreen area (Scenario 2). The business related developments appear to be common to both scenarios, as does a significant amount of generic domestic/residential growth, which has been distributed across the area. As a result, much of the reinforcement that will be required to enhance the electricity distribution network is common to both scenarios.

1.6 Other Local Development Frameworks

The GNDP is not the only body interested in development in Norfolk. Proposals currently being developed by North Norfolk and Breckland District Councils may have an impact on the ultimate form of the distribution network in the area. However these proposals have not been taken into account in the information presented in this document.

2. Generic Growth Areas

There are some generic growth areas that are common to both scenarios which do not have a significant impact on the primary substations from which they are supplied

2.1 Alpington

No action required up to 2021.

2.2 Barrack Street

No action required up to 2021, on figures given. However, the possible redevelopment of the Anglia Square area, which is not included in the GNDP data, may trigger the need for additional reinforcement.

2.3 Cringleford

No action required up to 2021.

2.4 Hapton

No action required up to 2021, although minor 11,000 volt network transfers to adjacent substations may be required.

2.5 Mousehold

No action required up to 2021, although minor 11,000 volt network transfers to adjacent substations may be required.

2.6 St. Stephens

No action required up to 2021. However, possible regeneration of the St. Stephens Street area, not included in GNDP figures, may require upgrade of this substation to 132,000/11,000 volt working. Some of the development that is proposed under Scenario 2 may also necessitate this work, for reasons stated later in this document.

2.7 Thorpe Grid Local

No action required up to 2021, unless development around the Norwich City football ground and the St. Anne's Wharf/King Street area, neither of which are identified in the GNDP data, is greater than currently anticipated.

2.8 Tuckswood

No action required up to 2021, unless the proposed redevelopment of the adjacent former shoe factory site proceeds. Again, this proposal is not included in the GNDP estimates.

3. Specific Growth Areas

There are many development proposals common to both scenarios and therefore the solutions are the same in both; these are:

3.1 Earlham Grid Local Substation

The primary substation at the Earlham Grid site is currently being upgraded with a view to meeting anticipated growth in demand in the area, such as Longwater; Three Score, Bowthorpe and the Science Park. The work is being carried out in two phases with additional 33,000/11,000 volt transformer capacity being provided in 2007. The second phase will be the construction of a new 132,000/11,000 volt substation at the Earlham Grid Site, together with additional 132,000 volt circuit capacity from Norwich Main supergrid substation being installed at a time dictated by rate of growth in the area. The funding for this work is via a site-specific infrastructure capacity charge, which was specifically agreed with Ofgem in the absence of any lead developer who was willing to make the first application. Any subsequent applications for electricity supply in the area supplied by this substation will be subject to this capacity charge.

3.2 Hurricane Way Primary Substation

Before any significant new development can be accepted in Hellesdon; the existing Norwich Airport Industrial Estate or on the proposed site to the north east of Norwich

Airport, it will be necessary to install a new primary substation on a site owned by EDF Energy Networks at Hurricane Way, on the existing industrial estate. This site is large enough to accommodate both a grid and a primary substation. Once the primary substation is commissioned, sections of the existing 11,000 volt distribution network can be transferred to it from Boundary Park and George Hill primary substations. This will release capacity in these substations to meet generic growth in these areas, in addition to providing for additional commercial/industrial development in the vicinity of the airport. This work will need to be put in hand as soon as possible if the capacity is to be available by 2012.

3.3 Norwich Airport North

If the projected loads for the north east industrial area come to fruition, there will be a significant shortfall in supply capacity in this area between 2012 and 2021, even taking into account the additional capacity provided at Hurricane Way. The figures provided by GNDP indicate that a new high capacity (30MW) primary substation will be required in this area, in addition to the proposed Hurricane Way primary substation. However, there is neither any significant 33,000 volt network in the area to supply such a substation nor is there sufficient capacity available at either Thorpe or Trowse grid substations to meet such a demand. The likely solution to providing additional grid transformer capacity in the area would be to establish a new grid substation at a site known as Norwich East (see section 6.2 below for more detail on Norwich East)

3.4 Broadland Business Park

Broadland Business Park is currently supplied from Peachman Way primary substation, which was designed to have adequate capacity to meet the estimated demand of the park as originally proposed. Any further expansion of the Business Park will require the installation of additional primary transformer capacity in the vicinity of the proposed extension. This could be achieved by installing a new primary substation within the new park or by replacing the transformers and 11,000 volt switchgear at Peachman Way primary substation with equipment of higher capacity. The 33,000 volt cables to Peachman Way from Thorpe and Trowse Grid have only sufficient capacity to match the full rating of the equipment already installed. In addition, as with the Hurricane Way proposal above, there is insufficient capacity available at either Thorpe or Trowse grid substations to meet such a demand and the likely solution to providing additional grid transformer capacity in the area would be to establish a new grid substation at a site to the north of the business park, known as Norwich East (see section 6.2 below for more detail on Norwich East).

4. Scenario 1

4.1 Broadland Sector

The development land in the Sprowston/Rackheath area proposed under Scenario 1 would require either major reinforcement works at Sprowston primary substation to enhance it to 30MW capacity or the construction of an additional primary substation within the development area. As the existing 33,000 volt underground cables to

Sprowston primary substation are of sufficient capacity to meet existing demand only. For this reason, it is likely that an additional primary substation will be required on the development, supplied via new 33,000 volt circuits from a new Norwich East grid substation. (See section 6.2 below for more detail on Norwich East.)

4.2 South Norfolk Sector

The construction of around 4,000 additional dwellings in the Wymondham area up to 2021 with the possibility of an additional 8,000 up to 2031 will necessitate some reinforcement to the electricity network in the Wymondham area. There will not be sufficient transformer capacity available at Wymondham Primary substation to meet the whole of the possible demand. The solution could be either to replace the existing equipment at Wymondham primary substation with higher capacity (30MW) equipment or to establish an additional primary substation in the area of the new development. The latter option is the most likely solution. In either case, an additional 33kV circuit from Earlham grid substation to Wymondham will be required.

5. Scenario 2

5.1 South Norfolk Sector

Because of the level of business development that is common to both scenarios, it will still be necessary to provide additional grid transformer to the north east of Norwich, even if Scenario 2 is adopted. However, the establishment of a new village in the Swardeston/Mangreen area will require the establishment of a new primary substation in the vicinity of the development. Significant lengths of 33,000 volt circuit would be required to connect this substation to the existing infrastructure at Trowse Grid. The resulting increase in demand at Trowse grid substation would trigger the need for some form of remedial action. The likely solution to providing additional grid transformer capacity in the area would be to relieve load on Trowse grid substation by transferring existing demand elsewhere. More detail on this is given in section 6.3 below.

6. Grid Substation Requirements

6.1 Hurricane Way Grid Substation

If the Norwich Airport area were to be viewed in isolation, then the solution to meeting the grid substation capacity shortfall would be, subject to obtaining Planning Permission, to establish a new grid substation at the Hurricane Way site, in addition to the new primary substation. However, the proposed extension to the existing development at Broadland Business Park will result in a further shortfall in capacity which will probably mean that the establishment of Hurricane Way Grid substation is not the optimal solution to the overall growth scenario as the development of the Norwich East site would result in a more co-ordinated 33kV network.

6.2 Norwich East Grid Substation

EDF Energy Networks owns a site off Green Lane, to the north of Broadland Business Park. This site was purchased some time ago with the intention that it could be used to establish a new 132,000 volt grid substation to the north east of Norwich. Subject to Planning Consent, this site could be used for this purpose and new 33,000 volt cable circuits installed to the new substations which would be required at Norwich Airport North and Broadland Park East. In addition, for the Scenario 1 proposals, additional circuits could be provided to Sprowston primary substation and/or a new primary substation in the Rackheath area.

6.3 Trowse Grid Substation

The 132,000/33,000 volt grid transformers at Trowse grid substation are already very well utilised and there is insufficient capacity remaining to cater for the demand created by the new village proposed in Scenario 2. There is insufficient land available at the Trowse site to install additional 132,000/33,000 volt grid transformer capacity. The only practicable way of making capacity available for the Swardeston/Mangreen area would be to transfer some demand from Trowse Grid 33,000 volt network to elsewhere on the system.

The most expedient way of achieving this transfer would be to convert the St. Stephens Substation, located in the Chapelfield shopping development, to 132,000/11,000 volt operation. However, this would entail the installation of new 132,000 volt underground cables from Trowse grid, in White Horse Lane, via the Martineau Lane roundabout, Bracondale and Queen Road to the substation which is located near the St. Stephens roundabout. It would also require the removal of relatively new 33,000/11,000 volt transformers and the installation of new 132,000/11,000 volt units. EDF Energy would not normally wish to carry out such a project until such time as the existing 33,000 volt underground cables, which are laid on a similar route, require replacement under the asset replacement programme.

7. Conclusions

- Both scenarios will necessitate major construction works in and around the city of Norwich.
- Both will require the establishment of a new grid substation to the East of Norwich.
 There will be a requirement for the construction or reconstruction of up to five primary substations in the case of Scenario 1 or four primary substations in the case of Scenario 2.
- Both scenarios will require the installation of significant lengths of 132,000 volt and 33,000 volt underground cables which will inevitably lead to some disruption to traffic and residents.
- The costs of the projects and the contribution required from developers are broadly similar and the differences in cost are unlikely to become a major factor when decisions are being made on the relative merits of the two scenarios.
- As noted in section 6.3, the work at St. Stephens substation and, more particularly, the associated 33,000 volt cable laying works would be particularly disruptive and could be deferred if Scenario 1 were to be adopted.

8. Table of Costs

The following table is a guide to the approximate level of costs and contributions:

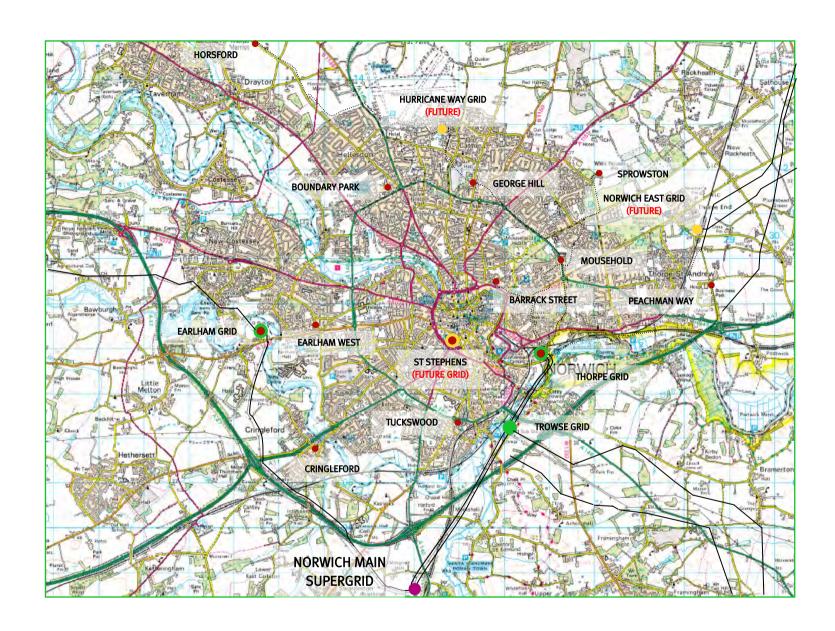
Scenario Number	Substation Name	Work Required	Overall Cost (£k)	Developer's Contribution	Time Scale
S1 and S2	Hurricane Way Primary (Section 3.2)	New Primary Substation on existing site	2,880	1,260	Before 2012
S1 and S2	Norwich Airport North (Section 3.3)	New Primary Substation on new site + 33kV circuits	6,320	6,320	2012 - 2021
S1 and S2	Broadland Park No. 2 (Section 3.4)	New Primary Substation on new site + 33kV circuits	3,050	3,050	2012 - 2021
Scenario 1 only	Wymondham No. 2 (Section 3.2)	New Primary Substation on new site + 33kV circuits	5,340	1,900	2012 - 2021
Scenario 1 only	Sprowston/Rackheath No. 2 (Section 4.1)	New Primary Substation on new site + 33kV circuits	4,313	4,313	2012 - 2021
Scenario 2 only	Swardeston Primary (Section 5.1)	New Primary Substation on new site + 33kV circuits	5,920	5,920	2012 - 2021
S1 and S2	Norwich East Grid (Section 6.2)	New Grid Substation on existing site + 132kV cables	17,060	0	2012 - 2021
Scenario 2 only	St Stephens (Section 6.3)	Reinforcement of existing substation + 132kV cables	10,750	0	2012 - 2021

From this table it can be derived:

- Scenario 1 will cost around £46,833,000 in total and will attract a developer's contribution of around £16,843,000
- Scenario 2 will cost around £45,980,000 in total and will attract a developer's contribution of around £16,550,000

It should be noted that these costs are purely indicative and have been derived from minimal desk-top studies of possible cable routes. No on-site investigations or route feasibility studies have been carried out.

The costs are based on current 2007 material prices and labour costs. There is likely to be considerable variation in these costs by the time the projects are actually carried out.



APPENDIX - G

HOUSING TRAJECTORY DATA TABLES

Housing Trajectory – Growth Scenario 1

				T	otal Numb	er of Uni	ts per Yea	ır												
	2001/ 02	2002/ 03	2003/ 04	2004/ 05	2005/ 06	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21
Past Completions	1,342	1,265	1,261	1,200	1,154	1,410	-	-	=	=	-	-	-	-	-	-	-	-	-	-
Existing Commitments	-	-	-	=	-	-	2,006	1,437	1,664	1,642	1,280	869	804	625	485	395	375	375	375	375
Urban Capacity + Other Strategic Sites	-	-	-	-	-	-	-	413	443	487	497	487	509	709	633	608	508	508	408	408
Growth Scenario One	-	-	-	-	-	-	-	-	-	-	-	250	500	650	750	750	750	750	750	750
Total Past Completions	1,342	1,265	1,261	1,200	1,154	1,410														
Total Projected Completions							2,006	1,850	2,107	2,129	1,777	1,606	1,813	1,984	1,868	1,753	1,633	1,633	1,533	1,533
Cumulative Completions	1,342	2,607	3,868	5,068	6,222	7,632	9,638	11,488	13,595	15,724	17,501	19,107	20,920	22,904	24,772	26,525	28,158	29,791	31,324	32,857
PLAN - Strategic Allocation (annualised)	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650
MONITOR - No dwellings above or below cumulative allocation	-308	-693	-1,082	-1,532	-2,028	-2,268	-1,912	-1,712	-1,255	-776	-649	-693	-530	-196	22	125	108	91	-26	-143
MANAGE - annual requirement tacking account of past-projected completions	1,650	1,666	1,689	1,714	1,746	1,785	1,812	1,797	1,793	1,764	1,728	1,722	1,737	1,726	1,683	1,646	1,619	1,614	1,605	1,676

Housing Trajectory – Growth Scenario 2

				Т	otal Numi	ber of Uni	ts per Yea	ar												
	2001/ 02	2002/	2003/ 04	2004/ 05	2005/ 06	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21
Past Completions	1,342	1,265	1,261	1,200	1,154	1,410	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commitments	-	-	-	ı	-	-	2,006	1,437	1,664	1,642	1,280	869	804	625	485	395	375	375	375	375
Urban Capacity	-	-	-	-	-	-	-	413	443	487	497	487	509	709	633	608	508	508	408	408
Growth Scenario Two	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	400	500	600	600	600
Total Past Completions	1,342	1,265	1,261	1,200	1,154	1,410														
Total Projected Completions							2,006	1,850	2,107	2,129	1,777	1,356	1,313	1,334	1,418	1,403	1,383	1,483	1,383	1,383
Cumulative Completions	1,342	2,607	3,868	5,068	6,222	7,632	9,638	11,488	13,595	15,724	17,501	18,857	20,170	21,504	22,922	24,325	25,708	27,191	28,574	29,957
PLAN - Strategic Allocation (annualised)	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650
MONITOR - No dwellings above or below cumulative allocation	-308	-693	- 1,082	-1,532	-2,028	-2,268	-1,912	-1,712	-1,255	-776	-649	-943	-1,280	-1,596	-1,828	-2,075	-2,342	-2,509	-2,776	-3,043
MANAGE - annual requirement tacking account of past-projected completions	1,650	1,666	1,689	1,714	1,746	1,785	1,812	1,797	1,793	1,764	1,728	1,722	1,768	1,833	1,916	2,016	2,169	2,431	2,905	4,426

Past Completions

		Tota	l Number c	of Units pe	r Year		
Site Name	2001/ 02	2002/ 03	2003/ 04	2004/ 05	2005/ 06	2006/ 07	Total Units
Broadland	322	265	266	182	58	161	1,254
Norwich	599	629	693	690	879	950	4,440
South Norfolk	421	371	302	328	217	299	1,938
TOTAL	1,342	1,265	1,261	1,200	1,154	1,410	7,632

Existing Commitments – Broadland

							Total Nur	nber of Un	its per Ye	ar						Total
Site Name	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	Units
Horsbeck Way	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	35
Home Farm, Blue Boar Lane	-	25	75	75	75	-	-	-	-	-	-	-	-	-	-	250
White House Farm, Blue Boar Lane	-	0	85	130	130	150	150	150	150	35	20	-	-	-	-	1,000
School Lane, Sprowston	-	-	-	35	40	-	-	-	-	-	-	-	-	-	-	75
Eversley Road, Hellesdon	-	-	-	25	50	25	-	-	-	-	-	-	-	-	-	100
Plumstead Hospital East	-	100	50	50	-	-	-	-	-	-	-	-	-	-	-	200
Plumstead Hospital West	ī	-	ı	25	50	25	-	-	-	-	-	-	-	-	-	100
Sites below 10 Units	-	38	38	37	37	37	-	-	-	-	-	-	-	-	-	187
TOTAL	0	163	248	377	417	237	150	150	150	35	20	0	0	0	0	1,947

Existing Commitments - Norwich

							Total Nur	mber of Ur	nits per Ye	ar						Total
Site Name	2006/	2007/	2008/	2009/	2010/	2011/	2012/	2013/	2014/	2015/	2016/	2017/	2018/	2019/	2020/	Units
	07	80	09	10	11	12	13	14	15	16	17	18	19	20	21	
	-	1200	375	375	375	375	375	375	375	375	375	375	375	375	375	6,075
TOTAL	-	1,200	375	375	375	375	375	375	375	375	375	375	375	375	375	6,075

Existing Commitments – South Norfolk

							Total Nur	mber of Ur	nits per Ye	ar						Total
Site Name	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	Units
Mulbarton: Cuckoofield Lane	-	50	50	50	41	-	-	-	-	-	-	-	-	-	-	191
Easton: Bawburgh Road	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Hethersett: Myrtle Road	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	42
Poringland: The Street	-	75	50	100	150	100	100	100	100	75	-	-	-	-	-	850
Wymondham: Greenland Avenue	-	72	72	72	72	72	-	-	-	-	-	-	-	-	-	360
Costessey: Lodge Farm	-	60	120	120	120	68	-	-	-	-	-	-	-	-	-	488
Costessey: North of the RiverTud / Queens Hill	-	194	200	215	200	200	200	179	-	-	-	-	-	-	-	1,388
Cringleford: North of the A11	-	64	175	175	175	161	-	-	-	-	-	-	-	-	-	750
Wymondham, Park Lane	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	14
Costessey, Bridge Farm, Norwich Road	-	-	9	13	-	-	-	-	-	-	-	-	-	-	-	22
Wymondham: Sale Ground	-	-	26	27	-	-	-	-	-	-	-	-	-	-	-	53
Hethersett, Lyngate Farm	-	-	11	7	-	-	-	-	-	-	-	-	-	-	-	18
Hethersett, Great Melton Road	-	2	15	-	-	-	-	-	-	-	-	-	-	-	-	17
Wymondham, BOCM Paul, Rightup Lane	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	14
Wymondham: Silfield Road	-	-	-	20	30	15	-	-	-	-	-	-	-	-	-	65
Long Stratton: Lime Tree Avenue	-	-	20	30	10	-	-	-	-	-	-	-	-	-	-	60
Wymondham: Friarscroft Lane	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	31
Costessey: Dereham Road	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	30
Sites below 10 Units	-	52	52	52	52	52	-	-	-	-	-	-	-	-	-	260
TOTAL	0	643	814	912	850	668	344	279	100	75	0	0	0	0	0	4,685

Urban Capacity and Other Strategic Sites

							Total Num	ber of Unit	ts per Yea	r						Total
District	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	Units
Broadland	-	-	26	56	100	110	100	100	300	225	200	100	100	-	-	1,417
Norwich	-	-	375	375	375	375	375	375	375	375	375	375	375	375	375	4,875
South Norfolk	-	-	12	12	12	12	12	34	34	33	33	33	33	33	33	326
TOTAL	0	0	413	443	487	497	487	509	709	633	608	508	508	408	408	6,618

Detailed Data – South Norfolk

Settlement	Completions
Settlement A	169
Settlement B	37
Settlement C	39
Settlement D	81
TOTAL	326

^{*}Settlement A phasing delayed to 2013/14 onwards

Detailed Data - Broadland

							Total Num	ber of Unit	ts per Yea	r						Total
Site Name	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	Units
Sector 1	0	0	11	11	15	15	0	100	200	200	200	100	0	0	0	852
Sector 2	0	5	10	35	30	20	0	0	0	0	0	0	0	0	0	100
Sector 3	0	0	0	50	90	100	100	100	25	0	0	0	0	0	0	465
TOTAL	0	5	21	96	135	135	100	200	225	200	200	100	0	0	0	1,417

Growth Scenario 1

District							Total Num	ber of Unit	s per Yea	r						Total
District	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	Units
Broadland	-	-	-	-	-	-	150	250	350	450	450	450	450	450	450	3,450
Norwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
South Norfolk	-	-	-	-	-	-	100	250	300	300	300	300	300	300	300	2,450
TOTAL	0	0	0	0	0	0	250	500	650	750	750	750	750	750	750	5,900

Growth Scenario 2

District							Total Num	ber of Unit	s per Yea	r						Total Units
	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	Onits
Broadland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Norwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
South Norfolk	-	-	-	-	-	-	-	-	-	300	400	500	600	600	600	3,000
TOTAL	0	0	0	0	0	0	0	0	0	300	400	500	600	600	600	3,000

Appendix - H

INFRASTRUCTURE COST REPORT

NORWICH GROWTH AREA INDICATIVE CONSTRUCTION COST ESTIMATE SCENARIO OVERALL SUMMARY



	-	Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
		<u>£m</u>	<u>£m</u>
Strategic Infrastructure			
Transport Initiatives		517.590	
Social Infrastructure Works		30.040	
Other Services		38.000	
Green Infrastructure		-	
Economic Development		784.431	
Mains Services/Utilities	Sub Total £	74.600 1,444.661	
<u>Local Infrastructure Projects</u>			
Education		81.050	
Health		6.800	
Leisure		76.250	
Community		5.747	
Open Space	-	58.636 1,673.144	
Contingency @ 10%		167.356	
TOTAL TO OVERA Cost current as at September 2007 p		1,840.500	



	Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
	<u>£m</u>	<u>£m</u>
<u>Fransport Initiatives</u>		
Scope of works: Key Initiatives	113.000	
Scope to be determined:		
Sheet 1	133.590	
Sheet 2	213.000	
Sheet 3	58.000	
TOTAL TO OVERALL SUMMARY Cost current as at September 2007 price base date		
	_	



					Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
					<u>£m</u>	<u>£m</u>
Transport Ini	<u>tiatives</u>					
Scope of work	s: Key Initiativ	<u>es</u>				
(NATS) Enhar	nced Public Tra	ansport Provis	sion:			
Bus Fleet Upg 100	grade No	@	£250,000	£25m		
Extra depot				£5m	30.000	
City Centre Sp	oatial Strategy	Transport Re	commendations:			
Interchange 24	Stands	@	£250	£6m		
Bus box work				£3m	9.000	
Implementatio	n of Bus Rapid	l Transit Syst	em:			
Dedicated rou	tes:					
Rural: 20,000	m	@	£2,000	£40m		
Urban:- 5,000	No	@	£5,000	£25m	65.000	
	tructure Improve later	rements			-	
	t Broadland Βι e later	ısiness Park			-	
Light Rapid Tr	ansit Review				-	
Park and Ride 5000	Expansion Spaces	@	£1,800	£9m	9.000	
	Cost cu		OTAL TO OVERA September 2007 p			



				Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
				<u>£m</u>	<u>£m</u>
Transport Initiatives					
Scope to be Determined	<u>(1)</u>				
(NATS) Development of B	Sus Priority Schemes				
Bus Priority Schemes					
1) Current Rue Routes					
1) Current Bus Routes					
9 key routes x 4 per route					
Bus Gates: 36	No	@	£45,000	1.620	
2) Dedicated Orbital Bus F	Route				
Bus Gates:	No	@	£45,000	0.720	
3) White lining and signage	ge				
91,000	m	@	£50	4.550	
4) New Interchange Facil	ity Item			3.000	
5) Bus Stops: every 400 r	metres				
Stops 2 Shelter 10 VMS Real Time 10 CCTV 8	k <u>£30k</u> k				
Each bus route say 10km 225	x 9m = 90 km/0.4 km No Bus Stops	@	£30k	6.75	
Cost	TOTAL current as at Septen		ALL SUMMARY		



			Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
			<u>£m</u>	<u>£m</u>
Transport Initiatives	Continued			
(NATS) Development (Urban Area Moveme		cling Strategies		
Outer Connections: 5	52km @ £500/m	Cycle Routes (3m wide) £26.000m 52km@£350/m	Footways (2m wide) £18.200m	
Central linkage: 28 kr	m @ £300/m	£8.400m 28km@£200/m £34.400m	£5.600m £23.800m	
COMBINED TOTAL			£58.200	
Norwich Southern By	pass Junctions		<u>£m</u>	
Current	Inner Ring Ro	oad: 19 No @ £250k	4.750m	
	Outer Ring R	oad: 31 No @ £500k	15.500m	
2021 Projection:	Inner Ring Ro	oad: 16 No @ £250k	4.000m	
	Outer Ring R	oad: 19 No @ £500k	9.500m	
			£33.750m	
Dualling A47 Blofield 3 miles: 5k	to North Burlingham km @ £5,000/m		25.000	
	1	OTAL TO OVERALL SUMMARY September 2007 price base date		



					Required by 2021	Required by 2031
					(37,612 dwellings)	(56,662 dwellings)
					<u>£m</u>	<u>£m</u>
Transport I	<u>nitiatives</u>					
Scope to be	Determined (2)					
Developmer 22,000	nt of Northern Distr m	ributor Road @	£4,300	£94.600m		
Connections	S			£ 0.400m	95.000	
					=	
	nts to A47 Longwa Major grade separa				3.000	
	nt of A140 Long St miles: 7km					
7,000	m	@	£5,000		35.000	
	All Fiveways to The 0 miles: 16km	etford				
16,000	m	@	£5,000		80.000	
	Cost cur			ALL SUMMARY price base date		



		Required by 2021	Required by 2031
		(37,612 dwellings)	(56,662 dwellings)
		<u>£m</u>	<u>£m</u>
<u>Transport Initiatives</u>			
Scope to be Determined (3)			
A47 Prestwick Junction Improvements Major junction/interchange		3.000	
Improvements to Norwich Airport:			
Enlarged Terminal Building	£20m		
Road Junctions	£5m		
Airside Improvements	£5m	30.000	
Strategic Rail Improvements Improvements to journey times: signalisatio	n at key points	10.000	
Local Rail Improvements		15.000	
Norwich to Cromer line:			
Station: £8.00m Signalisation: £2.00m			
Whymondham to Norwich: increased freque	ency:		
Signalisation/layby: £5.00m			
TOTAL TO O Cost current as at September 2	VERALL SUMMARY 2007 price base date		



					Required by 2021 (37,612 dwellings)	Required by 203 (56,662 dwellings)	
					<u>£m</u>	<u>£m</u>	
Strategic: Social	Infrastructu	re Works					
New Acute Beds I	Hospital: 125	<u>Beds</u>					
Based upon 80m²	per bed space	e and £2500/m	2				
1	25	No	@	£200,000	25.000		
New Mental Healt	h Facility: 42	<u>Beds</u>					
Based upon 60m²	per bed space	e and £2000/m	2				
	42	No	@	£120,000	5.040		
		ТОТА	L TO OVER	RALL SUMMARY	30.040		
	Cost curre	ent as at Septe	ember 2007	price base date			



					Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)	
					<u>£m</u>	<u>£m</u>	
Strategic: Otl	her Services						
Police Officers	s (15 New Sat	fer Neighbourhoo	od Teams)				
	15	No	@	£2.00m	30.000		
New Fire Stati	ion						
vew i ne otati	IOIT	Item			8.000		
	Cost	TOT current as at Sep		ALL SUMMARY			
	000.0	ranioni do di Gop	310111501 2007	prioc base date			



	Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
	<u>£m</u>	<u>£m</u>
Strategic: Green Infrastructure		
None identified beyond building best practice provisions included in key unit rates		
Carried Forwar TOTAL TO OVERALL SUMMAR	Υ	
Cost current as at September 2007 price base dat	e	



	Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
	<u>£m</u>	<u>£m</u>
Economic Development (1)		
Opening up of Deal Ground/Utilities Site (sum as given)	12.500	
Northern City Centre/Anglian Square (sum as given)	1.500	
Norwich City Centre Airport		
Employment Land Infrastructure Fund (including Norwich Research Park)		
See later		
TOTAL TO OVERALL SUMMARY Cost current as at September 2007 price base date		



	Required by 2021	Required by 2031
	(37,612 dwellings)	(56,662 dwellings)
	<u>£m</u>	<u>£m</u>
Economic Development (2)		
Total Brought Forward	14.000	
Longwater Employment Area		
Support for Further Key Educational Establishment		
-As before Education/Labour Initiative	18.000	
City Growth Strategy		
Generally		
Commercial Spaces As attached build up	551.590	
Retail Spaces As attached build up	161.841	
Associated Infrastructure As attached build up	39.000	
TOTAL TO OVERALL SUMMAR Cost current as at September 2007 price base dat		



Project No. JWN Issued : September 2007

Commercial Offices

Assumptions: 21,000 employees: 19m² per employee

Plot coverage 40%: net to gross efficiency 85%: 2 storeys

Buildings

Net floor area: 399,000m² at 85% efficiency

469,400m² Gross Building Area

Site Area 587,000m² (58.7ha)

Indicative Costs

Buildings: Assumed Mix $\underline{\mathfrak{t}}$

R & D Buildings (20%) 93,880m² @ £950 89,186,000 B1 (30%) 140,820m² £1.200 168,984,000 B2 (30%) 140,820m² @ £1,100 154,902,000 B8 (20%) 93,880m² @ £650 61,022,000

External Works

Site Area: excluding footprint (587,000-234,700)

352,300m² @ £120 42,276,000

Site Preparation/Enabling Works

58.7ha @ £600,000 <u>35,220,000</u>

TOTAL TO SUMMARY £ 551,590,000



Project No. JWN Issued : September 2007

Retail	Spaces
--------	---------------

Assumptions: 7,000 employees: 20m² per employee

Plot coverage 70%: net to gross efficiency: 90%: 1 storey

Buildings

Net Floor Area: 140,000m² @ 90% efficiency

155,500m² Gross Building Area

Site Area: 22.2 hectares (222,000m²)

Indicative Costs

Buildings: Assumed Mix

Convenience Goods $21,234 \qquad m^2 \qquad @ \qquad £1,000 \qquad £21,234,000 \\ A3/A4 \ Leisure \qquad \qquad & \\ 11,625 \qquad m^2 \qquad @ \qquad £900 \qquad £10,463,000 \\ \hline$

Retail Outlets: Big Box Retail 52,641 m² @ £700

52,641 m² @ £700 £36,849,000

50,000 m² @ £800 £40,000,000

Retail Arcades/Parades 20,000 m² @ £1,500 £30,000,000

External Works

Food Stores

Site Area: 22,000 - 155,500 66,500 m² @ £150 £9,975,000

Site Preparation, Enabling Works

22.2 ha @ £600,000 <u>£13,320,000</u>

TOTAL TO SUMMARY £161,841,000



Economic and Retail Infrastructure Requirements	
Strategic: Key Infrastructure Works	£
Broadland Business Park (25.8 ha)	
Development of trunk road (A47)	6,000,000
Extra: Connection to Northern Distributor Road	2,500,000
Longwater (28.1 ha)	
Major junction improvement requirements at the A47	2,000,000
Electrical supply to the site	4,000,000
Norwich Research Park (35 ha)	
General infrastructure works	7,000,000
Deal Ground and Utilities Sites (2 sites)	
Roads, bridges, utilities, flood defences decontamination	17,500,000
TOTAL TO SUMMARY £	39,000,000



	Required by 2021	Required by 2031
	(37,612 dwellings)	(56,662 dwellings)
	<u>£m</u>	<u>£m</u>
ervices/Utilities		
gical Modifications to Whittingham STW	inc	
Capacity of Rockheath STW	inc	
atment Plant to deal with Phosphorous Removal		
say	10.000	
ain	inc	
y: All Services Electricity, gas, water, waste: All as attached build up	64.600	
TOTAL TO OVERALL SUMMAI Cost current as at September 2007 price base da		



<u>Electricity</u>			
Housing: Broadland:	upgrade requirements to substation new circuits from grid station new grid station	£2m £1m £5m	
South Norfolk (1):	new sub-station upgrade grid station	£2m £2m	
South Norfolk (2):	new grid station new primary sub-station	£5m £2m	
Employment	Provision only	£5m £24m	
<u>Gas</u>			
Broadland (1)	-	-	
Broadland (2)	10 km of main ┐ 17,000m 7km of medium pressure ∫ @ £300	5.10m	
	Additional reinforcement of grid	2.5m	
South Norfolk (2)	-	-	
Employment	Reinforcements to 2 employment sites	3.0m £10.60m	
<u>Water</u>			
Unknown	Provision only	£10.00m	
Waste Water			
Broadland (1)	Upgrade existing	£5m	
South Norfolk (1)	Upgrade existing	£5m	
South Norfolk (2)	Upgrade	£5m	
Employment	Provision only	£5m £20m	
	==	ALVIII	
Co	TOTAL TO OVERALL SUMMARY ost current as at September 2007 price base date	64.600	



	Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
	£m	£m
Social Infrastructure Demand - Overall Summary		
Education	81.050	
Health	6.800	
Leisure	76.250	
Community	5.747	
Open Space	58.636	
Essential/Emergency Services	-	
TOTAL TO OVERALL SUMMAR Cost current as at September 2007 price base date		
	_	



				Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
				<u>£m</u>	<u>£m</u>
Education					
Early Years Places					
Provision for 3 No Facilities 3	No	@	£2m	6.00	
Primary Schools					
Expansion of 1 No Primary S	chool			2.75	
New Primary School 2	No	@	£4.5m	9.00 11.75	
Secondary Schools					
New Extended School 2	No	@	£30m	60.00	
Library Item				1.50	
Community Centre 1,000	m²	@	£1,800	1.80 63.30	
Cost cu			ALL SUMMARY price base date		



					Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
					<u>£m</u>	<u>£m</u>
<u>Health</u>						
<u>GPs</u>						
New Small PCC	1	No	@	£1.90m	1.900	
New Large PCC	1	No	@	£3.50m	3.500	
Small Surgery	4	No	@	£350k	1.400	
<u>Dentists</u>	cluded				-	
Acute Hospital Be	ed (125 Be	eds)			-	
Other Hospital Be		ewhere)			-	
	Cost			RALL SUMMARY 7 price base date		



					Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
					<u>£m</u>	<u>£m</u>
<u>Leisure</u>						
Four-Lane Swir	mming Pools					
	13	No	@	£3.25m	42.250	
Four-Court Spo	orts Centres					
	17	No	@	£2m	34.000	
	Cost curr	TOTA rent as at Septe	L TO OVERAI ember 2007 pr			



					Poguired by 2024	Dogwined by 2024
					Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
					<u>£m</u>	<u>£m</u>
Community						
Community C	entre/Hall Spa	<u>ce</u>				
	2155	m²	@	£1,800	3.879	
Library Space	<u>)</u>					
	934	m²	@	£2,000	1.868	
	TOTAL TO OVERALL SUMMARY Cost current as at September 2007 price base date					



					Required by 2021 (37,612 dwellings)	Required by 2031 (56,662 dwellings)
					<u>£m</u>	<u>£m</u>
Open S	<u>pace</u>					
Allotmer	<u>nts</u> (18.4 ha)					
Typical I	Facility: 2 Hectare	<u>es</u>				
Perimete Pathway	er fence/hedge /s	565m @ £200 670m @ £100 _	£113,000 £67,000 £180,000	or £90,000/ha		
	18.4	ha	@	£90,000	1.656	
<u>Informal</u>	and Formal Outo	door Space				
Say	Informal Formal Hard/paved	£60/m² £150/m² £300/m²	@ 60% @ 25% @ 15%	36 38 45		
	£119 say £120	D/m²				
		334,000	@	£120	40.080	
Children	<u>'s Playspace</u> (13	.6 ha)				
	Typical Facilit	Hard 25° Soft 50%	£/m² % @ 150 - 38 % @ 60 - 30 % @ 250 - 62 1 30	/m² or £1.30m/l	na	
	13	No (1 ha each)	@	£1.30m	16.900	
Total Op	oen Space 65.4 F	<u>la</u>				
		TOT at current as at Sep		ALL SUMMARY		



	Required by 2021	Required by 2031
	(37,612 dwellings)	(56,662 dwellings)
	<u>£m</u>	<u>£m</u>
Essential/Emergency Services		
Police Officers		
See elsewhere		
Fire Stations		
See elsewhere		
Total Ambulance Costs per Annum		
See elsewhere - nil		
TOTAL TO OVERALL SUMMAR		
Cost current as at September 2007 price base da		

Appendix - I

NORWICH GROWTH AND INFRASTRUCTURE DELIVERY MODEL - SCREEN SHOTS

Norwich Infrastructure Delivery Model

Model Version	Version 1
Developed by	EDAW
Issued to	Greater Norwich Development Partnership
Issued on	Oct-07

Section	Section Contents	Descripton
1	Infrastructure Delivery	
1a	Infrastructure Delivery Summary	Summarises strategic and local infrastructure costs, potential public and private funding
1b	Infrastructure Cost (%)	Identifies total strategic and local infrastructure costs by type and phased demand of fun
1c	Actual Infrastructure Cost (£)	Identifies actual strategic and local infrastructure costs by type and phased demand of fu
1d	Strategic Funding Sources	Identifies public and private funding sources for strategic infrastructure and potential pha
1e	Land Value Capture	Identifies potential land value capture to 2021
1f	Output Tables 1	Output Tables showing cost analyis
1g	Output Tables 2	Output Tables showing funding requirement
1h	Phasing Chart	Bar Chart showing phasing of infrastructure demand and priority level
2	Housing Trajectory	
2a	Trajectory Summary	Summarises housing delivery to 2021 and follows plan, monitor and manage approach
2b	Existing Completions	Identifies existing completions across each district
2c	Housing Commitments	Identifies phased delivery of housing commitments across each district
2d	Urban Capacity & Other Strategic Sites	Identifies phased delivery of urban capacity & other strategic sites across each district
2e	Growth Scenarios	Identifies phased delivery of growth scenarios across each district
2f	Windfall Assumption	Identifies windfall assumptions
2g	Growth Target 2021 - 2031	Summarises housing delivery from 2021 to 2031 and follows plan, monitor and manage
3	Housing Trajectory Charts	
3a	Plan and Manage, Scenario 1	Charts Housing Trajectory data to 2021, showing Plan and Manage lines for Scenario 1
	Monitor, Scenario 1	Charts Housing Trajectory data to 2021, showing Monitor line for Scenario 1
3b		
3b 3c	Plan and Manage, Scenario 2	Charts Housing Trajectory data to 2021, showing Plan and Manage lines for Scenario 1

Only information within yellow tabs can be updated manually. All other information updates automatically.

, land value capture and funding gap to 2021

£0

£0

£0 -£26,120,461 -£69,440,781 -£107,691,400 -£118,315,156 -£187,792,728 -£223,011,121 -£228,680,907 -£230,944,044 -£233,641,426 -£225,181,932 -£213,735,388 -£206,288,845 -£200,371,822 -£194,204,800 -£292,954,800 -£292,954,800 -£292,954,800 -£200,371,822 -£10,204,800

Cumulative Funding Gap with GAF Funding

	2001/02	2002/03	2003/04	2004/05	2005/06	2006/ 07	2007/ 08	2008/09	2009/ 10	2010/11	2011/12	2012/13	2013/14	2014/ 15	2015/ 16	2016/17	2017/18	2018/ 19	2019/ 20	2020/21	Phasing TBA	A
	2001/02	2002/03	2003/04	2004/03	2003/00	2000/07	20077 00	2000/03	2003/10	2010/11	2011/12	2012/13	2013/14	2014/13	2013/10	2010/1/	2017/10	2010/13	2013/ 20	2020/ 21	r nasing run	—
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
c Infrastructure (Actual Costs)																						
Transport Initiatives	FD	FD	FD	FD	FD	FD	F15 044 657	E39.244.657	F44 744 657	F44 744 657	E51.261.324	F33 859 524	F11 159 524	F11 142 857	F11 142 857	F7 142 857	E7.142.857	F7 142 857	F7 142 857	F7 142 857	F98 750 000	
Social Infrastructure Works	FD	FO	EO	60	EO	EO.	F311 429	E311.429	£1.561.429	E311.429	£1.561.429	E2.811.429	£311.429	E311.429	£1.561.429	E311.429	E311.429	£4,311,429	E4.311.429	E4.061.429	FO	+
Green Infrastructure	EO EO	EO EO	EO	E0	EO	FO FO	E2.241.875	E2,241,875	£2,241,875	E2,241,875	£263.750	£263.750	£263.750	£263.750	£263.750	£263.750	£263.750	£263.750	£263.750	£263.750	E0	+
Connectic Davidorment	FD	E0.	EO	EO	EO	EO.	E7.540.000	£10.290.000	£10.250.000	£10,250,000	E9.750.000	E7.000.000	£7.000.000	E1.000.000	£1.000.000	£1,000,000	60	60	60	FO	EO	+
Main Services / Utilities	ED ED	FD	E0	EO EO	EO EO	FO FO	E6.550.000	E8.750.000	£5.950.000	£4.850.000	£3,441,650	£13.266.600	£13.266.600	£13.266.600	E10.466.600	£7,024,950	FD FD	ED ED	FD	E0	E0	+
	£0	F0	E0	E0	EO	FO FO	E31,687,961	£60,837,961	£64,747,961	£62,397,961	£66,278,152	£57,201,302	£32,001,302	£25,984,636	£24,434,636	£15,742,986	£7.718.036	£11.718.036	£11,718,036	£11.468.036	£98.750.000	٠,
Total Strategic Infrastructure Costs	10	EU	EU	EU	EU	EU	£31,087,901	100,037,961	104,/47,901	102,397,961	100,278,152	157,201,302	E32,001,302	120,984,030	124,434,030	£15,742,980	£7,718,036	E11,/18,036	E11,/18,036	E11,408,030	£98,750,000	ــــــــــــــــــــــــــــــــــــــ
	2001/02	2002/03	2003/04	2004/05	2005/06	2006/ 07	2007/ 08	2008/09	2009/10	2010/ 11	2011/12	2012/13	2013/14	2014/ 15	2015/ 16	2016/17	2017/18	2018/ 19	2019/ 20	2020/ 21	Phasing TBA	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		_
astructure (Actual Costs)			1																			4
ducation	£0	E0	EO	EO	EO	EO	E0	EO	EO	£0	£0	EO	EO	£4,500,000	£4,500,000	E0	E0	EO	EO	EO	E0	_
leath	E0	E0	E0	E0	EO	EO	E0	£175,000	£175,000	£0	£175,000	£175,000	EO	£3,500,000	£3,500,000	E0	E0	EO	EO	EO	E0	_
ther Facilities	E0	EO	EO	EO	EO	EO	EO	£3,500,000	£7,415,667	£3,500,000	£7,831,333	EO	EO	EO	EO	E0	E0	E0	EO	EO	E0	
Open Space	E0	EO	EO	EO	E0	EO	E0	E378,860	E431,491	£435,996	£363,910	E328,891	E371,283	£406,302	E382,546	£358,995	E334,421	E334,421	E313,942	E313,942	E0	
otal Local Infrastructure Costs	E0	E0	EO	EO	E0	EO	E0	E4,053,860	£8,022,157	£3,935,996	£8,370,244	£503,891	E371,283	E8,406,302	E8,382,546	£358,995	E334,421	E334,421	E313,942	£313,942	E0	
rivate Sector Funding Sources																						
ture Funding by Source (Annual)																						
	2001/02	2002/03	2003/04	2004/05	2005/06	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/11	2011/12	2012/13	2013/14	2014/ 15	2015/ 16	2016/17	2017/ 18	2018/ 19	2019/ 20	2020/21	Phasing TBA	
glia Water Services	E0	E0	E0	E0	E0	EO	E5,567,500	£5,567,500	£3,187,500	£3,187,500	£0	£2,380,000	£2,380,000	£2,380,000	EO	EO	EO	EO	EO	EO	E0	4
tish Telecom (BT)	E0	EO	EO	EO	E0	EO	E0	E0	EO	E0	E0	EO	EO	EO	EO	E0	EO	EO	EO	EO	E0	
ounty Council	E0	E0	EO	EO	E0	EO	E0	EO	EO	E0	E0	EO	EO	E0	EO	E0	EO	EO	EO	EO	E0	
gional Funding Allocation	E0	E0	EO	EO	E0	EO	E0	EO	£4,000,000	£4,000,000	£4,000,000	£4,000,000	E4,000,000	£4,000,000	E4,000,000	E0	E0	EO	EO	EO	E0	
DF Energy	E0	E0	EO	EO	EO	EO	E0	E0	E0	£0	£1,170,825	£4,683,300	£4,683,300	£4,683,300	£4,683,300	£3,512,475	EO	EO	EO	EO	E0	
ist of England Development Agency (EEDA)	E0	EO	EO	EO	EO	EO	EO	E0	E0	£0	E0	EO	E0	E0	EO	E0	EO	EO	EO	EO	EO	Т
nglish Partnerships (EP)	EO	EO	EO	EO	E0	EO	EO	E0	E0	E0	E0	EO	EO	EO	EO	EO	EO	EO	EO	EO	E0	Т
ocal Authorities	EO	EO	EO	EO	E0	EO	E0	E0	EO	E0	£0	EO	EO	EO	EO	EO	EO	EO	ED	ED	EO	Т
sarning and Skills Council	EO	EO	EO	EO	E0	EO	E0	E0	EO	E0	£0	EO	EO	EO	EO	EO	EO	EO	ED	ED	EO	т
ocal Transport Plan	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	E0	EO	E0	EO	EO	E0	EO	EO	EO	EO	EO	T
letwork Rail	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	+
HS	EO	FO	EO	EO	EO	FD	EO	EO	EO	E0	E0	EO	EO	60	EO	FO.	FD	FD.	FO	FD.	EO	+
ther Public Sector	E0	EO	EO	E0	EO	FD FD	60	FD	E0	E0	E0	EO EO	60	E0	E0	E0	ED ED	FO FO	E0	FO FO	EO	+
ustrans	ED ED	FD	E0	EO EO	E0	FO FO	E0	E0	FD	E0 E0	FO FO	FO	F0	EO EO	FO FO	EO EO	FD FD	ED ED	FD	ED ED	E0	+
ransco	E0	E0	EO	EO EO	E0	FD FD	E0	FD	E0	E0	E0	FO	F0	E0 E0	EO EO	EO EO	FD FD	EO EO	FD FD	ED ED	E0	+
niversity of East Anglia	ED ED	FD	E0	EO EO	E0	FO FO	E0	E0	FD	E0 E0	FO FO	FO	F0	EO EO	FO FO	EO EO	FD FD	ED ED	FD	ED ED	E0	+
OTAL INCOME	£0						E5.567.500	£5.567.500	£7.187.500	£7.187.500	£5.170.825	£11.063.300	£11.063.300	£11.063.300	E8.683.300			-				+
e Capture Income	10	EO	EO	EO	EO	EO	15,307,500	15,567,500	£7,187,500	E7,187,500	15,170,825	£11,063,300	£11,063,300	£11,063,300	18,083,300	£3,512,475	EO	£0	EO	EO	EO	+
ouplare moone	2001/02	2002/03	2003/04	2004/05	2005/06	2006/ 07	2007/08	2008/ 09	2009/ 10	2010/11	2011/12	2012/13	2013/14	2014/ 15	2015/ 16	2016/17	2017/18	2018/ 19	2019/ 20	2020/21	Phasing TBA	Ā
	EO	E0	EO	EO	EO	EO	E0	EO	EO	E0	EO	£11,423,500	£15,639,500	£21,064,500	£21,436,500	E21,049,000	£19,499,000	E19,499,000	E17,949,000	£17,949,000	E0	П
NOONE AND VOICE OF SHEET COSTA		•	•	•	•	•	•	•	•		•		•	•					•	•	•	_
NCOME ANALYSIS GROWTH SCENA	2001/02	2002/03	2003/04	2004/05	2005/06	2006/ 07	2007/ 08	2008/09	2009/ 10	2010/ 11	2011/12	2012/13	2013/14	2014/ 15	2015/ 16	2016/17	2017/18	2018/19	2019/ 20	2020/ 21	Phasing TBA	
otal Strategic Infrastructure Cost	2001/02 E0	2002/03 E0	2003/04 E0	£0	2005/06 E0	2006/ 07 f0	£31.687.961	£60.837.961	£64.747.961	£62.397.961	E66.278.152	£57.201.302	£32.001.302	£25.984.636	2015/ 16 E24.434.636	£15.742.986	2017/18 £7.718.036	£11.718.036	£11.718.036	£11.468.036	E98.750.000	气
al Strategic Infrastructure Cost	ED	E0	EO	E0	EO EO	E0	E0 E0	E4,053,860	£8,022,157	£3,935,996	E8,370,244	£503,891	£371,283	E8,406,302	E8,382,546	E358,995	E334,421	E334,421	£313,942	E313,942	E0 E0	+
tal Public / Private Funding	EO	EO	EO	ED	EO	FD FD	E5,567,500	E5,567,500	£7,187,500	£7,187,500	£5,170,825	£11,063,300	£11,063,300	£11,063,300	E8,683,300	£3,512,475	E0	F0	FD	FO	EO	+
/C (Scenario - E25,000)	E0	EO	EO	EO EO	E0	EO	£0,567,560	E0,567,500	E0 E0	E0	E0,170,825	£11,423,500	£15,639,500	£21,064,500	£21,436,500	E21,049,000	£19,499,000	E19,499,000	E17,949,000	E17,949,000	E0	+
and Fording Co.		60		F0		FO	-£26.120.461	-F59 324 321	-F65 582 618	-659 146 457	-£69.477.571	-£35.218.394	-£5.669.785	-£2.263.137	-£2.697.382	00 450 40	£11.446.544	£7.446.544	05.047.005	00 407 000	-£98.750.000	Ξ
nnual Funding Gap	£0		£0		£0											£8,459,494			£5,917,022	£6,167,022		+
Cumulative Funding Gap	£0	£0	£0	£0	£0	£0	-£26,120,461	-£85,444,781	-£151,027,400	-£210,173,856	-£279,651,428	-£314,869,821	-£320,539,607	-£322,802,744	-£325,500,126	-£317,040,632	-£305,594,088	-£298,147,545	-£292,230,522	-£286,063,500	-£384,813,500	0 -
rough Area Eunding (CAE) Sought								040 004 057	007 000 007	040 500 755												_
Growth Area Funding (GAF) Sought umulative GAF Funding Sought	03	£0	£0	03	03	03	03	£16,004,000	£27,332,000	£48,522,700	03	£0	03	03	03	03	03	03	£0	60	03	+
	£0	£0	£0	£0	£0	£0	£0	£16,004,000	£43,336,000	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	£91,858,700	

Note: Only information within yellow cells can be updated manually. All other information updates automatically.

## Read Read Read Read Read Read Read Read	18 19 0% 10% 7% 7%	10%	17	16	15	14	13	12	20% 20% 20% 20%	20% 20%			2007/8	2006/7	2005/6	2004/5	2003/4	2002/3	2001/2	4000		$\overline{}$	Priority (1 = High)	
Section Sectio	0% 10% 10% 7% 7%	10%		10%				14%	20% 20% 20% 20%	20%	9	8			_					4000	C		Priority (1 = High)	ic Infrastructure
Technology	7% 7% 7% 7%	7%		10%	14%	14%	14%		20% 20% 14%	20%					5	4	3	2	1	4000	Cost	Source	2	or total above
ament and productions are consistent of the control	7% 7% 7% 7%	7%		10%	14%	14%	14%		20% 20% 14%	20%	2007	2007	0.200	_							000,000	MATC		
March Marc	7% 7% 7% 7%	7%		10%	14%	14%	14%		20%								_	_		100%		NATS	2	
Andregen states 2 20 C-2000 C-2	7% 7% 7% 7%	7%		10%	14%	14%	14%		14%								_	_		100%		MATS	2	
Miles Anti-Indiputy 1 0 0 0 0 0 0 0 0 0	7% 7% 7% 7%	7%		10%	14%	14%	14%			1000	2070	2076	20/6	_						0%		POD	2	
March 1 20 10,000 10	7% 7% 7% 7%	7%		10%						14%	14%								_	100%		POD	3	
See Configuration (Configuration Configuration Configurati	7% 7% 7% 7%	7%		10%								20%								100%		POD	1	
A	7% 7% 7% 7%	7%		10%							25%								7	100%		POD	2	
Management 2 10 10 10 10 10 10 10	7% 7% 7% 7%	7%		10%				4											7	0%	E26,000,000	POD	2	of A140 Long Stratton Bypass
Temperson 2 76	7% 7% 7% 7%	7%		10%				25%	25%	25%	25%									100%	£6,000,000	POD	2	47 Postwick Junction Improvements
Part	7% 7% 7% 7%	7%		10%			/			7									7	0%	£5,000,000	POD	2	s at Norwich Airport
The file of the properties 1	7% 7% 7% 7%	7%		10%		/				1									1	0%	£32,500,000	POD	2	Improvements
Secretary Secret	7% 7% 7% 7%	7%		10%																0%		POD	2	provements
Company Comp	7% 7% 7% 7%	7%		10%		4				20%	20%	20%	20%							100%		POD	3	
Response 2 May 1,960.00 May Ma	7% 7%		7%		10%	10%	10%	10%												100%		PBA	3	
Chapter Chap	7% 7%		7%			4				4										100%		PBA	3	
Windows 1 100 1 1 1 1 1 1 1				7%	7%	7%	7%	7%	7%	7%	7%	7%	7%							100%		PBA	2	e expansion
Assistant (Control of Control of																					£396,809,000			
April Company Compan					الأساع	يسي	ستست	بتسب		يتسب			بالساع				السبع	السبع						
1	7% 7%																						3	
Threatments		7%	7%	7%		7%	7%			7%		7%	7%										3	
Translation					13%	4	4	25%	13%	4	13%			4			4						3	
Infrastructure	0% 50%	50%				<u></u>														100%		EDAW	3	Station
Teacher Communication Co																					E22,360,000			
Account from Humbers																		_	_					
Page State Pag	2% 2%	2%	2%	2%	2%	2%	2%	2%	2%									_				CBA	3	,
## Statistics Name 100 28.4 100,000 10					++	4												_				CBA		
Concession of deligner - New Horistynes (Preside 1) Concession of deligner - New Horistynes (Preside 2) Concession of deligner - New Horistynes (Presi					++	4				_								_				CBA		, ,
2000 2000					++	4												_				CDA		
SA 150.00 10% 10	00/ 100/	100/	100/	100/	100/	100/	100/	100/	1007	23%	2376	23%	23%				_	_				CDA		3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Newer Copy of Light Copy	0% 10%	10%	10%	10%	10%	10%	10%	10%	10%	250/	2594	250/	25%				_	_				CDA		
Part					+	+	_	+	_								_	_	_		200,000	CDA		
					+	+	_	+	_								_	_				CBA		
Shee Feed See Se	0% 10%	10%	10%	10%	10%	10%	10%	10%	10%	_	_											CBA		
Fings Woods Ridge Project 1		10%								_	-								_			CBA		
ark — GAB — E28,000 — 10% — 10					1	_			_	25%	25%	25%	25%						7		£250.000	CBA		aes Wooded Ridge Project
Noveth Hospital Health Woods		1			1	_			_										1		£285.000	CBA		
Composition		1				1													7			CBA		
In Courty Pat Eastern Cycle Links SA E100,000 107%		1			1	_			_										1			CBA		
Rest Planking (Phases 1)		1				1												_	7			CBA		
Rec Plancy Phase 2 CBA £2,000.00 107/m CBA £2,000.00 107/m CBA		1				1	1								_		\				£100,000			
His Hard Authority Novich Healander 1	0% 10%	10%	10%	10%	100/				1											100%		CBA		or Parkway (Phase 1)
Sel Normic Ecological Networks - Phase 2 (28) (29) (29) (29) (29) (29) (29) (29) (29					10%	10%	10%	10%	10%		25/0		23%	1						100%	E50,000	CDIT		
Winstant CBA E200,000 100%		1			10%	10%	10%	10%	10%	25%										100% 100% 100%	£50,000 £2,000,000	CBA		er Parkway (Phase 2)
CBA £50,000 100%				1012	10%	10%	10%	10%	10%	25% 25%	25%	25%	25%							100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000	CBA CBA		er Parkway (Phase 2) leath and Northeast Norwich Heathland
F11,85.000	0% 10%	10%								25% 25%	25%	25%	25%							100% 100% 100% 100% 100%	£50,000 £2,000,000 £1,000,000 £200,000	CBA CBA		er Parkway (Phase 2) leath and Northeast Norwich Heathland Norwich Ecological Networks – Phase 1
### Development	0% 10%	10%								25% 25% 25%	25% 25%	25% 25%	25% 25%							100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E200,000 E300,000	CBA CBA CBA CBA		er Parkway (Phase 2) eath and Northeast Norwich Healthland Norwich Ecological Networks - Phase 1 Norwich Ecological Networks - Phase 2
Billion Sile 2 EDAW £17,500,000 107% 25%	0% 10%	10%								25% 25% 25% 25%	25% 25% 25%	25% 25% 25%	25% 25% 25%							100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000	CBA CBA CBA CBA CBA CBA		er Parkvay (Phase 2) seath and Northeast Norwich Healthland konrich Ecological Networks - Phase 1 forwich Ecological Networks - Phase 2 nsum Valley Link
Research Park 3 EDAW E7,000,000 1079 25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	0% 10%	10%								25% 25% 25% 25%	25% 25% 25%	25% 25% 25%	25% 25% 25%							100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000	CBA CBA CBA CBA CBA CBA		er Parkvay (Phase 2) seath and Northeast Norwich Healthland konrich Ecological Networks - Phase 1 forwich Ecological Networks - Phase 2 nsum Valley Link
City CentrolAnglain Square 2 EDAW £1500,000 105%	0% 10%	10%								25% 25% 25% 25% 25% 25%	25% 25% 25% 25%	25% 25% 25% 25%	25% 25% 25% 25% 25%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E200,000 E200,000 E300,000 E200,000 E500,000 E11,605,000	CBA CBA CBA CBA CBA CBA		we Parkung (Phase 2) seah and Northwest Norsich Heathland swinch Ecological Welsonich - Phase 1 worsich Ecological Welsonich - Phase 2 mansur Walley Link by Enhancements silic Development
Cly Airport (Feasibility Study) 3 EDAW E80,000 100% 50	0% 10%	10%								25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25%	25% 25% 25% 25% 25%	25% 25% 25% 25% 25%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E200,000 E200,000 E300,000 E200,000 E500,000 E11,605,000	CBA CBA CBA CBA CBA CBA CBA CBA	2	re Parkancy (Phase 2) kash and Northwast 1 krowich Ecological Networks - Phase 1 krowich Ecological Networks - Phase 2 mesum Validy Link by Crhancoments still Coverlopment still Development still Development
# Employment Area 2 EDAW £11,000,000 1100% 2 E	0% 10%	10%								25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E2,000,000 E200,000 E200,000 E10,000 E11,600,000 E17,500,000	CBA	2 3	ver Darkswy (Phase 2) version and Northwest Norvich Healthand downth Ecological Websorks - Phase 1 townth Ecological Websorks - Phase 2 version Websorks - Phase 3 version Websorks - Phase 4 version Websorks - Phase 3 version Websorks - Phase 4 version Websorks - Phase 4 version Websorks - Phase 5 ve
	0% 10%	10%								25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000 E11,605,000 E17,600,000 E17,600,000 E1,500,000	CBA		we Parkany (Phase 2) teath and Northwest Norrich Healthand teath and Northwest Norrich Healthand teath and Northwest Norrich Healthand teath and Northwest Norrich teath and N
ey Educational Establishment FE/HE 3 EDAW £18,000,000 100%	0% 10%	10%							10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 50%	25% 25% 25% 25% 25% 25% 25%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 £1,000,000 £1,000,000 £200,000 £300,000 £200,000 £150,000 £11,500,000 £7,000,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000	CBA	3	ver Parkson 2 (Phasto 2) sein and Northeas Nervich Healthand towarch Ecological Networks - Phasto 1 towarch Ecological Networks - Phasto 1 towarch Ecological Networks - Phasto 2 resson Valley Link typ Enhancements sic Development s 5 Site control Park Communication Sparre Apport (Festablish) Study)
	0% 10%	10%					10%	10%	10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 50%	25% 25% 25% 25% 25% 25% 25%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000 E11,665,000 E7,000,000 E1,500,000 E1,500,000 E1,500,000 E1,500,000 E1,500,000	CBA	3	we Parkany (Phase 2) wesh and Nerhorsh Kirach Heathland kirachh Ecological Welsonich - Phase 1 kirachh Ecological Welsonich - Phase 2 many Valley Lisk by Erhancoments ilic Development s Site carch Park - Carrior Maglan Square - Apport (Fassibility Study) proprient Area - Apport (Fassibility Study)
	0% 10%	10%		10%	10%	10%	10%	10%	10% 10% 25% 33%	25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 50%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 £2,000,000 £1,000,000 £10,000,000 £200,000 £200,000 £200,000 £11,65,000 £17,500,000 £7,000,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000	CBA	3 2 3	ver Parkson 2 ver Parkson 2
	0% 10%	10%					10%	10%	10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 50%	25% 25% 25% 25% 25% 25% 25%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E200,000 E100,000 E11,650,000 E17,500,000 E7,000,000 E1,500,000	CBA	3	ver Parkson 2 ver Parkson 2
	0% 10%	10%		10%	10%	10%	10%	10%	10% 10% 25% 33%	25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 50%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 £2,000,000 £1,000,000 £10,000,000 £200,000 £200,000 £200,000 £11,65,000 £17,500,000 £7,000,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000 £1,500,000	CBA	3 2 3	ver Brakeny (Phase 2) who have been been been been been been been be
	0% 10%	10%		10%	10%	10%	10% 10% 33% 10%	10% 10% 33% 10%	10% 10% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 50%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E200,000 E200,000 E200,000 E200,000 E10,550,000 E1,550,000 E1,500,000	CBA	3 2 3	ver Parkson 2 ver Parkson 2
	10%	10%		10%	10%	10%	10% 10% 33% 10%	10% 10% 33% 10%	25% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 50% 25% 50%	25% 25% 25% 25% 25% 25% 25% 25% 25% 50%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E200,000 E200,000 E500,000 E11,605,000 E17,600,000 E18,000,000 E48,500,000	CBA	3 2 3	ver Brakeny (Phase 2) who have been been been been been been been be
	10%	10%		10%	10%	10% 10% 10%	10% 10% 33% 10%	10% 10% 33% 10% 20% 10%	10% 10% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 10%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 £1,000,000 £200,000 £300,000 £200,000 £100,000 £11,465,000 £11,465,000 £11,000,000 £10,000,000 £10,000,000 £10,000,000 £10,000,000 £10,000,000 £10,000,000 £10,000,000 £10,000,000 £10,000,000 £10,000,000 £46,883,000 £11,000,000 £11,000,000	CBA	3 2 3	ver Brakeny (Phase 2) who have been been been been been been been be
	0% 10%	10%		10%	10%	10%	10% 10% 33% 10%	10% 10% 33% 10%	25% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 50% 25% 50% 25% 50% 25%	25% 25% 25% 25% 25% 25% 25% 25% 50% 10%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000 E11,605,000 E17,600,000 E18,000,000	CBA	3 2 3 3 3 3	ser Parkung (Phase 2) seria and Northeast Noroich Healthand dismitch Ecological Pethodrics - Phase 1 townich Ecological Pethodrics - Phase 2 townich Ecological Networks - Phase 2 many Malloy Link asy Enhancements sic Development sic Site acrot Park Control Maylain Square Apport (Frashbilly Study) replayment Area a Cardiol Stabilityment FEHE brakery brakery training
	0% 10%	10%		10%	10%	10% 10% 10%	10% 10% 33% 10%	10% 10% 33% 10% 20% 10%	25% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 10%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 F2,000,000 F1,000,000 F1,000,000 F200,000 F200,000 F200,000 F1,000,000	CBA	3 2 3	ser Parkung (Phase 2) seria and Northeast Noroich Healthand dismitch Ecological Pethodrics - Phase 1 townich Ecological Pethodrics - Phase 2 townich Ecological Networks - Phase 2 many Malloy Link asy Enhancements sic Development sic Site acrot Park Control Maylain Square Apport (Frashbilly Study) replayment Area a Cardiol Stabilityment FEHE brakery brakery training
TOTAL STATE CONTINEE COSTS E-DOCUMENT COSTS	0% 10%	10%		10%	10%	10% 10% 10%	10% 10% 33% 10%	10% 10% 33% 10% 20% 10%	25% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 50% 25% 50% 25% 50% 25%	25% 25% 25% 25% 25% 25% 25% 25% 50% 10%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000 E11,600,000 E11,600,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E14,000,000 E14,000,000 E15,000,000	CBA	3 2 3 3 3 3 2 2 2 3	ver Parkung (Phase 2) ver Parkung (Phase 2) ver Annual Control (Phase 2) v
AL INCRASTRICTURE DO JECTS	0% 10%	10%		10%	10%	10% 10% 10%	10% 10% 33% 10%	10% 10% 33% 10% 20% 10%	25% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 50% 25% 50% 25% 50% 25%	25% 25% 25% 25% 25% 25% 25% 25% 50% 10%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000 E11,650,000 E17,600,000 E18,000,000 E18,000,000 E11,000,000 E11,000,000 E11,000,000 E11,000,000 E11,000,000 E10,000,000 E	CBA	3 2 3 3 3 3 2 2 2 3	ver Parkung (Phase 2) ver Parkung (Phase 2) ver Annual Control (Phase 2) v
	0% 10%	10%		10%	10%	10% 10% 10%	10% 10% 33% 10%	10% 10% 33% 10% 20% 10%	25% 25% 33% 10%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 50% 25% 50% 25% 50% 25%	25% 25% 25% 25% 25% 25% 25% 25% 50% 10%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000 E11,600,000 E11,600,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E14,000,000 E14,000,000 E15,000,000	CBA	3 2 3 3 3 3 2 2 2 3	ver Parkany (Phase 2) ver Parkany (Phase 2) ver Parkany (Phase 3)
ASTRUCTURE COST ANALYSIS- % 2001/2 2001/2 2002/3 2003/4 2004/5 2005/6 2006/7 2007/8 2008/9 2009/10 2010/11 2011/12 2012/13 2013/14 2014/15 20015/16 20016/17 20017/18 20			10%	10%	10% 10% 10%	10% 10% 10% 20% 20%	10% 33% 10% 20% 10%	10% 33% 37% 10% 20% 20%	10% 25% 33% 10% 5%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	25% 25% 25% 25% 25% 25% 25% 25% 25% 10% 20% 20% 20% 20%	25% 25% 25% 25% 25% 25% 25% 25% 25% 10% 10%							100% 100% 100% 100% 100% 100% 100% 100%	E50,000 E2,000,000 E1,000,000 E1,000,000 E200,000 E300,000 E200,000 E500,000 E11,600,000 E11,600,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E13,000,000 E14,000,000 E14,000,000 E15,000,000	CBA	3 2 3 3 3 3 2 2 2 3	ver Parkany (Phasia 2) ver Ver Ver Parkany (Phasia 2) ver V

Local Infrastructure						3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Education					 	3	-	,			8	, , , , , , , , , , , , , , , , , , ,	10	- //	12	13	14	15	16	- //	18	19	20
2 x New Primary Schools co-located with Early Years Facilities	3	EDAW	£9.000.000	100%													50%	50%	_				
	-		£9,000,000																				
Health																							
2 x PCC	3	EDAW	£7,000,000	100%													50%	50%					
2 x GP Surgeries	2	EDAW	£700,000	100%							25%	25%		25%	25%				1				7
			£7,700,000																				
Other Facilities																							
3 x New Library co-located with Community Centre and Police Centre	3	EDAW	£11,747,000	100%								33%		67%									/I
2 four lane swimming pools	3	EDAW	£6,500,000	100%							33%	33%	33%										/
2 four court sports centre	3	EDAW	£4,000,000	100%							33%	33%	33%						1				7
			£22,247,000																				
Open Space																							
9.5 ha of Allotments	3	EDAW	£855,000	100%							8%	9%	9%	8%	7%	8%	9%	8%	8%	7%	7%	7%	7%
3 ha of Children's Playspace	3	EDAW	£3,900,000	100%							8%	9%	9%	8%	7%	8%	9%	8%	8%	7%	7%	7%	7%
			£4,755,000																				
TOTA	AL LOCAL INFRASTE	RUCTURE COSTS	£43,702,000																				

STRATEGIC INFRASTRUCTURE PROJECTS																							
INFRASTRUCTURE COST ANALYSIS - ACTUAL COST (ANNUAL	L)		2001/2	2002/3	2003/4	2004/5	2005/6	2006/7	2007/8	2008/9	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	20015/16	20016/17	20017/18	2018/19	2019/20	2020/21	Phasing TBA
Strategic Infrastructure			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Transport Initiatives Enhanced Bus Fleet	£25,000,000	£25,000,000	ED.	FD	FD.	FD	FD.	FO.	E5,000,000	£5,000,000	£5,000,000	F5 000 000	F5 000 000	FD	FD	FO	FO	FO	FO	E0.	FO	EO.	FD
Development of Bus Priority Schemes	£13,644,000	£13,644,000	FD	EO	EO	E0	FO.	E0	£2,728,800	£2,728,800	£2,728,800	£2,728,800	£2,728,800	FD FD	FO FO	E0	FD	E0	E0 E0	FO.	FO FO	E0 E0	EO
Development of Walking and Cycling Strategies - Outer Areas	E22.000.000	£22,000,000	ED	EO	£0	EO	EO	EO	E4.400.000	£4.400.000	£4.400.000	£4.400.000	£4.400.000	EO	E0	EO	EO	EO	EO	EO	EO	EO	EO
Norwich Southern Bypass Junctions	£20,250,000	EO	EO	EO	EO	E0	EO	EO	EO	EO	ED	EO	EO	EO	EO	EO	E0	EO	£0	EO	EO	E0	E20,250,000
Dualling A47 Blofield to North Burlingham	E28,000,000	£28,000,000	ED	EO	E0	£0	EO	EO	E0	EO	£4,000,000	£4,000,000	£4,000,000	£4,000,000	£4,000,000	£4,000,000	£4,000,000	E0	EO	EO	EO	EO	EO
Development of Northern Distributor Road	£106,000,000	E106,000,000	EO	EO	EO	E0	EO	EO	EO	E21,200,000	E21,200,000	£21,200,000	£21,200,000	E21,200,000	EO	EO	EO	EO	EO	EO	EO	EO	EO
Improvements to A47 Longwater Junction	E12,000,000	£12,000,000	EO	EO	£0	E0	EO	EO	EO	£3,000,000	£3,000,000	£3,000,000	£3,000,000	ED	EO	EO	EO	E0	EO	EO	E0	EO	EO
Development of A140 Long Stratton Bypass	E26,000,000	EO	EO	EO	£0	£0	EO	EO	E0	EO	ED	EO	£0	EO	EO	E0	E0	E0	E0	EO	E0	EO	E26,000,000
Support for A47 Postwick Junction Improvements	£6,000,000	£6,000,000	ED	E0	£0	£0	EO	EO	E0	EO	£1,500,000	£1,500,000	£1,500,000	£1,500,000	EO	E0	E0	E0	£0	EO	E0	EO	E0
Improvements at Norwich Airport	£5,000,000	EO	EO	EO	EO	E0	ED	EO	EO	EO	ED	EO	£0	E0	EO	EO	E0	E0	E0	E0	E0	EO	E5,000,000
Strategic Rail Improvements	E32,500,000	E0	ED	E0	E0	£0	EO	EO	EO	EO	ED	EO	£0	£0	EO	EO	£0	E0	E0	EO	EO	E0	E32,500,000
Local Rail Improvements	£15,000,000	£0	EO	EO	£0	E0	EO	E0	E0	EO	EO	EO	£0	EO	E0	E0	E0	EO	E0	E0	E0	EO	£15,000,000
City Centre Spatial Strategy Transport Recommendations	£11,365,000	E11,365,000	EO	EO	£0	E0	EO	EO	E2,273,000	£2,273,000	£2,273,000	£2,273,000	£2,273,000	EO	E0	E0	EO	EO	E0	E0	E0	EO	EO
Implementation of Bus Rapid Transit System	E65,000,000	£65,000,000	EO	EO	EO	E0	EO	EO	EO	EO	ED	EO	E6,500,000	E6,500,000	£6,500,000	£6,500,000	E6,500,000	£6,500,000	£6,500,000	£6,500,000	£6,500,000	E6,500,000	E0
Light Rapid Transit Review	£50,000 £9,000,000	E50,000	E0	EO	E0 E0	E0	ED	EO	E0	E0 F642.857	E0 F642 857	E0 F642.857	E16,667	£16,667 £642,857	£16,667 £642.857	EO	E0 F642 857	EO	EO	EO	EO	EO	E0
Park and Ride expansion		£9,000,000 £396.809.000	EO EO	E0		E0	EO CO	E0	E642,857 F15.044.657	E39.244.657	£642,857 F44.744.657	£642,857 £44,744,657	£642,857 £51,261,324	£642,857 £33,859,524	£642,857 £11.159.524	E642,857 E11.142.857	E11.142.857	E642,857 E7.142.857	E642,857 E7.142.857	£642,857 £7.142.857	£642,857 £7.142.857	E642,857 E7.142.857	E0 E98.750.000
Social Infrastructure Works	E396,809,000	£390,809,000	EU	EO	£0	EO	EO	E0	£10,044,05/	£39,244,65/	£44,/44,05/	144,744,657	131,201,324	E33,809,024	£11,104,024	£11,142,65/	£11,142,857	£1,142,651	£7,142,857	£7,142,657	£7,142,657	E1,142,807	198,750,000
74 New Acute beds	£1.480.000	£1.480.000	EO	EO	EO	EO	ED	EO	£105,714	£105,714	£105,714	£105,714	£105,714	E105,714	£105.714	£105,714	£105.714	E105,714	£105,714	£105.714	£105,714	£105.714	FO
24 New Mental Health Beds	£2,880,000	£2,880,000	EO	EO	EO	E0	ED	EO	£105,714 £205.714	£205,714	£205,714	£205,714	E205,714	E205,714	£205,714	£205,714	E205,714	£205,714	£205,714	£205.714	£205,714	£205,714	EO
Police Officers (5 x New Safer Neighbourhood Teams)	£10,000,000	£10.000,000	ED	EO	EO	EO	EO	EO	E0	E0	£1,250,000	E0	£1,250,000	E2.500.000	E0	E0	£1,250,000	E0	E0	E0	E0	£3.750.000	EO
1 x New Fire Station	E8,000,000	£8,000,000	ED	EO	£0	E0	ED	EO	EO	EO	E0	EO	E0	£0	EO	EO	E0	EO	EO	£4,000,000	£4,000,000	E0	EO
•	E22,360,000	£22,360,000	EO	EO	EO	EO	EO	EO	E311,429	£311,429	£1,561,429	E311,429	£1,561,429	E2,811,429	£311,429	E311,429	£1,561,429	E311,429	E311,429	£4,311,429	£4,311,429	E4,061,429	EO
Green Infrastructure											•	•							•				
Green Infrastructure Study	£11,605,000	£11,605,000	ED	EO	£0	£0	EO	EO	£2,241,875	£2,241,875	£2,241,875	£2,241,875	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	E0
<u> </u>	£11,605,000	£11,605,000	EO	EO	E0	E0	EO	EO	£2,241,875	£2,241,875	£2,241,875	£2,241,875	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£263,750	£0
Economic Development																							
Deal & Utilities Site	E17,500,000	£17,500,000	ED	EO	EO	E0	ED	EO	£4,375,000	£4,375,000	£4,375,000	£4,375,000	£0	E0	EO	EO	E0	EO	E0	EO	EO	E0	E0
Norwich Research Park	£7,000,000	£7,000,000	ED	E0	E0	£0	EO	EO	£1,750,000	£1,750,000	£1,750,000	£1,750,000	£0	E0	EO	E0	E0	E0	£0	EO	E0	E0	£0
Northern City Centre/Anglian Square	£1,500,000	£1,500,000	EO	EO	£0	E0	EO	EO	£375,000	£375,000	£375,000	£375,000	E0	EO	EO	E0	E0	EO	E0	E0	E0	E0	EO
Norwich City Airport (Feasibiliy Study)	E80,000	E80,000	EO	EO	£0	E0	EO	EO	£40,000	£40,000	ED	EO	EO	EO	EO	EO	E0	EO	EO	EO	E0	E0	EO
Longwater Employment Area	E11,000,000	£11,000,000	EO	EO	EO	E0	ED	EO	EO	£2,750,000	£2,750,000	£2,750,000	£2,750,000	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO
Further Key Educational Establishment FE/HE Job Growth Strategy	£18,000,000 £10,000,000	E18,000,000 E10,000,000	EO CO	EO EO	E0 E0	E0	E0	E0	E0 E1.000.000	E0 E1.000.000	E0 E1.000.000	E0 E1.000.000	E6,000,000 E1,000,000	E6,000,000 E1.000.000	E6,000,000 E1,000,000	E0 E1.000.000	£1,000,000	E0 E1.000.000	E0	E0	E0	EO	EO EO
Job Grown Strategy	F65 080 000	F65 080 000	ED FD	E0	£0 £0	E0 E0	EO EO	EO EO	£1,000,000 £7,540,000	£1,000,000	£1,000,000 £10,250,000	£1,000,000 £10,250,000	£1,000,000 £9,750,000	£1,000,000 £7,000,000	£1,000,000 £7,000,000	£1,000,000	£1,000,000	£1,000,000 £1,000,000	E0 E0	EO FO	E0 E0	E0 E0	F0
Main Services / Utilities	103,000,000	200,000,000	EU	EU	LU	10	LU	EU	E7,540,000	£10,270,000	E10,230,000	£10,250,000	29,750,000	27,000,000	17,000,000	£1,000,000	£1,000,000	£1,000,000	1 10		1.0	100	10
Electricity	F46 R33 000	F46 833 000	0	EO	FO	FO	ED	E0	FD.	FO	FD.	FO	F2 341 650	E9.366.600	F9 366 600	F9 366 600	F9 366 600	F7 024 950	FO	FO.	FO	FD.	FO.
Gas	E11.000.000	£11,000,000	ED	EO	£0	EO	ED	EO	EO	£2,200,000	£2,200,000	£1,100,000	£1.100.000	£1,100,000	£1,100,000	£1,100,000	£1,100,000	EO	EO	EO	EO	EO	EO
Water	£14,000,000	£14,000,000	EO	EO	EO	E0	EO	EO	£2,800,000	£2,800,000	ED	EO	EO	E2,800,000	£2,800,000	£2,800,000	EO	EO	£0	EO	EO	E0	EO
Waste Water	£15,000,000	£15,000,000	ED	EO	£0	E0	EO	EO	£3,750,000	£3,750,000	£3,750,000	£3,750,000	E0	E0	EO	E0	E0	E0	EO	EO	E0	E0	E0
	E86,833,000	£86,833,000	EO	EO	E0	E0	EO	EO	£6,550,000	£8,750,000	£5,950,000	£4,850,000	£3,441,650	£13,266,600	£13,266,600	£13,266,600	£10,466,600	E7,024,950	EO	£0	E0	EO	£0
TOTAL LOCAL INFRASTRUCTURE COSTS	E582,687,000	£582,687,000	E0	EO	£0	£0	E0	£0	E31,687,961	£60,837,961	E64,747,961	£62,397,961	£66,278,152	£57,201,302	£32,001,302	£25,984,636	E24,434,636	£15,742,986	£7,718,036	£11,718,036	£11,718,036	£11,468,036	£98,750,000
LOCAL INFRASTRUCTURE PROJECTS			1000110	00000	0000//	0001/5	000510														0010100		n
INFRASTRUCTURE COST ANALYSIS - ACTUAL COST (ANNUAL	L)		2001/2	2002/3	2003/4	2004/5	2005/6	2006/7	2007/8	2008/9	2009/10	20010/11	2011/12	2012/13	2013/14	2014/15	20015/16	20016/17	20017/18	2018/19	2019/20	2020/21	Phasing TBA
Land Information																							
Local Infrastructure		Charles .		2	3	4	5	6	/	8	9	10	"	12	13	14	15	16	17	18	19	20	
2 x New Primary Schools co-located with Early Years Facilities	£9.000.000	E9.000.000	FD	EO	EO	EO	EO	EO	EO	EO	FD	F0	FD	FD.	FO	£4.500,000	£4,500,000	FD	FD	ED	EO	FO	EO
2 A NEW FIRMING Y JULIANUS CO-DICARED WITH EARLY TESTS FROMINES	E9,000,000	£9,000,000 £9,000,000	ED ED	E0	£0	£0	EO EO	EO EO	E0	E0	E0	E0	£0	E0	E0	£4,500,000 £4,500,000	£4,500,000 £4,500,000	£0	£0	E0	E0	E0	E0
Health	17,000,000	17,000,000	EU	EU	EU	10	1 10	EU	1.0	EU	1 10			1 20	1 50	24,300,000	£4,500,000	EU	EU	1 10	1 10		1 10
2xPCC	£7.000.000	£7.000.000	EO	EO	EO	EO	ED	EO	EO	EO	ED	ED	EO	E0	EO	£3,500,000	£3.500.000	EO	03	EO	EO	ED	EO
2 x GP Surgeries	£700,000	£7,00,000	ED	EO	EO	E0	ED	EO	EO	£175.000	£175.000	EO	£175,000	£175.000	EO EO	E0,500,000	E0	E0	E0	EO	EO	E0	E0
and any	£7.700,000	£7.700.000	EO	EO	EO	£0	EO	EO	EO	£175,000	£175,000	EO	£175,000	£175,000	E0	£3.500.000	£3.500.000	£0	E0	EO	E0	E0	E0
Other Facilities	,,									2.1.2,230													
3 x New Library co-located with Community Centre and Police Centre	£11,747,000	E11,747,000	EO	EO	E0	E0	EO	EO	E0	EO	£3,915,667	EO	E7,831,333	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO
2 four lane swimming pools	E6,500,000	£6,500,000	EO	EO	£0	£0	EO	EO	EO	£2,166,667	E2,166,667	E2,166,667	E0	ED	EO	EO	EO	EO	EO	EO	EO	EO	EO
2 four court sports centre	£4,000,000	E4,000,000	ED	EO	EO	EO	ED	EO	EO	£1,333,333	£1,333,333	£1,333,333	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO	EO
	E22,247,000	E22,247,000	EO	E0	£0	£0	EO	EO	E0	£3,500,000	£7,415,667	£3,500,000	£7,831,333	EO	EO	EO	EO	EO	EO	EO	E0	E0	EO
Open Space		•	46833000005	š .			•					•		•	5%			•		15%			•
9.5 ha of Allotments	E855,000	£855,000	EO	EO	£0	E0	ED	EO	E0	£68,123	£77,587	E78,397	E65,435	£59,138	£66,761	E73,057	£68,786	E64,551	£60,132	£60,132	E56,450	E56,450	EO
3 ha of Children's Playspace	E3,900,000	£3,900,000	ED	EO	£0	E0	EO	EO	E0	£310,737	£353,904	£357,599	£298,475	E269,753	E304,522	E333,244	E313,760	E294,444	E274,288	£274,288	£257,492	E257,492	EO
	£4,755,000	£4,755,000	EO	EO	E0	E0	EO	EO	E0	£378,860	£431,491	£435,996	£363,910	E328,891	£371,283	£406,302	E382,546	£358,995	£334,421	£334,421	£313,942	£313,942	EO
TOTAL LOCAL INFRASTRUCTURE COSTS	E43,702,000	£43,702,000	E0	EO	£0	£0	E0	£0	£0	£4,053,860	£8,022,157	£3,935,996	£8,370,244	£503,891	£371,283	£8,406,302	£8,382,546	£358,995	E334,421	£334,421	£313,942	£313,942	£0

Note: Only information within yellow cells can be updated manually. All other information updates automatically.

Note: Only information within yellow cells can be upo				manouny.																				
STRATEGIC INFRASTRUCTURE				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Transport Initiatives																								
Enhanced Bus Fleet	£25,000,000																							
Local Transport Plan	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	EO	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
County Council	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
County Council	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	£0	£0	£0
Development of Bus Priority Schemes	£13,644,000																							1
Local Transport Plan	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	E0	£0	E0	£0	£0	£0	E0	£0	£0
	0%	£0	#DIV/U!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
Development of Walking and Cycling Strategies - Outer Areas Sustrans	£22,000,000	0.0	400.00	£0	60	£0	E0	£0	£0	£0	EO	£0	£0	E0	EO	£0	£0	EO	£0	£0	£0	£0	£0	EO
Local Transport Plan	0%	EU EO	#DIV/U!	EO EO	£0 £0	£0	E0	£0	£0 £0	£0	EO EO	£0 £0	£0	E0	E0	E0	£0	E0	EO EO	E0	£0	E0	£0	£0
cocai i ansport rian	0%	£0	#DIV/0:	£0	60	FO FO	£0	£0 £0	03	£0	£0	£0	£0	£0	E0	£0	03	EO	£0	EO	£0	EO	£0	60
Norwich Southern Bypass Junctions	£20,250,000	10	*DIVIO:	1.0	LU	1.0	1.0	10	LU	LU	LU	1.0	10	LU	1.0	1.0	LU	LU	10	1.0	LU	1.0	1.0	10
Regional Funding Allocation	0%	£0	#DIV/0	f0	f0	f0	£0	£0	F0	£0	F0	FO.	FO.	F0	FO.	£0	F0	FO.	£0	f0	f0	F0	£0	f0
	0%	EO	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	03	EO	EO	£0	£0	EO	£0	£0	£0	EO	£0	£0
	0%	EO	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	EO	E0	£0	£0	EO	£0	£0	£0	EO	£0	60
Dualling A47 Blofield to North Burlingham	£28,000,000		•										•											
Regional Funding Allocation	100%	£28,000,000	100%	£0	£0	£0	£0	£0	£0	£0	£0	£4,000,000	£4,000,000	£4,000,000	£4,000,000	£4,000,000	£4,000,000	£4,000,000	£0	£0	£0	E0	£0	£0
	0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0
	0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	E0	£0	£0	E0	E0	£0
Development of Northern Distributor Road	£106,000,000																							
Regional Funding Allocation	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	60
County Council	0%	E0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	60
	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
Improvements to A47 Longwater Junction	£12,000,000																							
Local Transport Plan	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	£0	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	E0
	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	EO
Development of A140 Long Stratton Bypass	£26,000,000		_	En En						1													1	
Regional Funding Allocation	0%	£0	#DIV/0!	1.0	£0	£0	£0	£0	03	£0	E0	£0	D3	£0	E0	£0	03	E0	£0	E0	£0	E0	£0	£0
	0%	E0 E0	#DIV/0! #DIV/0!	£0 £0	03 03	£0 £0	E0 E0	£0 £0	E0 03	£0	E0 E0	£0 £0	03 03	E0 E0	E0 E0	£0 £0	E0 03	E0 E0	£0	E0 E0	£0 £0	E0 E0	£0	£0
Support for A47 Postwick Junction Improvements	0% 66,000,000	EU	#DIV/U!	£U	£U	£U	EU	EU	£U	£0	£U	EU	£U	EU	£0	EU	£U	£U	£0	EU	£U	EU	£0	£0
Local Transport Plan	0%	£0	#DIV/0	£0	F0	£0	£0	£0	60	FO.	f0	£0	£0.	E0	FO	£0	60	FO	£0	£0	£0	FO.	£0	E0
cocai Hansport Plan	0%	E0 E0	#DIV/0:	£0 £0	£0 £0	EO EO	£0 £0	£0	£0 £0	EO EO	£0 £0	£0 £0	£0 £0	FO FO	E0 E0	£0 £0	£0 £0	E0 E0	f0	£0 £0	£0	FO FO	£0 £0	£0 £0
	0%	£0	#DIV/0!	£0	60	£0	£0	£0	03	£0	£0	£0	60	£0	EO	£0	03	EO	£0	£0	£0 £0	EO	£0	60
Improvements at Norwich Airport	£5,000,000	1.0	101110.	1 10		2.0	2.0	10	1.0	1.0	2.0	1.0	1.0		2.0	1.0	1.0	2.0	- 20	1 10	2.0		1.0	1.0
improveniente de Norwien Amport	0%	£0	#DIV/0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	EO	£0	£0	EO	£0	£0	£0	E0	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	EO	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	60
Strategic Rail Improvements	£32,500,000																							
	0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	E0	E0	£0	£0	£0	£0	£0	£0	EO	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
Local Rail Improvements	£15,000,000																							
	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	EO	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
	0% £11.365.000	£0	#DIV/0!	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0
City Centre Spatial Strategy Transport Recommendations	£11,365,000 0%	f0	#DIV/0	FO.	F0	£0	£0	f0	60	F0	£0	FO.	fO	£0	FO.	£0	60	FO	£0	£0	f0	FO.	f0	F0
Local Authorities Local Transport Plan	0%	£0 £0	#DIV/U!	£0 £0	£0 £0	£0 £0	E0 E0	£0 £0	£0 £0	E0 E0	£0 £0	£0	£0 £0	E0 E0	£0 £0	03 03								
cocai mansport man	0%	£0 £0	#DIV/0! #DIV/0!	E0 E0	EO EO	£0	E0	EO EO	£0 £0	£0	E0 E0	E0 E0	£0	E0 E0	E0 E0	EO EO	£0 £0	E0 E0	E0 E0	E0 E0	£0	E0 E0	E0 E0	E0 E0
Implementation of Bus Rapid Transit System	£65,000,000	EU	+DIV/U:	EU	EU	EU	20	-10	LU	1.0	10	-10	LU	10	-10	- 20	LU	-10	EU	EU	EU	EU	EU	£U
mplementation of bus rapid rights toystem	165,000,000	£0	#DIV//0I	£0	EO	£0	£0	£0	60	FO.	f0	£0	£0	f0	£0	£0	60	FO	£0	EO	£0	FO.	£0	F0
	0%	E0 E0	#DIV/0!	EO EO	£0 £0	£0	E0	£0	£0 03	£0	EO EO	£0	£0 £0	EO EO	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
	0%	£0	#DIV/0	£0	£0	£0	E0	60	03	£0	EO EO	£0	03	£0	E0	£0	£0	EO	£0	EO	£0	EO	£0	£0
Light Rapid Transit Review	£50,000																							
	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	EO
	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	E0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	£0	£0	E0
Park and Ride expansion	£9,000,000		4683300000%												5%					15%				
	0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	£0	£0	£0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	EO
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	£0	£0	EO
	Total Funding - Transport Initiatives	£28,000,000																						
Social Infrastructure Works																								
74 New Acute beds	£1,480,000																							
NHS	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	E0
	0%	£0	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	EO	EO	£0	£0	E0	£0	£0	E0	£0	E0	£0	E0	£0	E0
	0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
24 New Mental Health Beds	£2,880,000																							

	NHS	0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
		0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	E0	£0	E0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
Police Office	rs (5 x New Safer Neighbourhood Teams)	£10,000,000			•						•	•													
		0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	EO	E0	£0	£0	EO	E0	£0	£0	£0	£0	£0	£0	EO	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	F0	EO	£0	£0	FO.	£0	£0	£0	E0	£0	£0	£0	E0	£0	03
1 x New Fire	Panalinu Panalinu	£8.000.000	1.0	FDIVIO:	1.0	LU	1.0	1.0	1.0	LU	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	LU
I X New Fire	Station																	f0		£0		£0		f0	
		0%	EO	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	E0	E0	£0	EO	E0	£0		E0	-	£0		E0		60
		0%	E0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		Total Funding - Other Services	£0																						
Green Infr	astructure																								
Green Infras	ructure Study	£11,605,000																							
	Other Public Sector	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	EO	£0	£0	E0	£0	£0
		0%	£0	#DIV/01	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	60
		Total Funding - Green Infrastructure	£0	10110	1.0	100	1.0	2.0	1.0	LU	1.0	1.0		2.0				LU	2.0			1.0	1.0		
Economic	Development	rotal randing Oreal minusidetaic	2.0																						
Deal & Utilitie		047 500 000																							
Deal & Utilitie	as one	£17,500,000	CO.	aparana		60	f0	E0	£0		£0	£0	£0	£0	f0	F0		f0	F0	£0	f0	f0		£0	FO.
			£0	#DIV/0!	EO					£0							£0			-			E0		
		0%	E0	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	EO	£0	£0	E0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0
Norwich Res	earch Park	£7,000,000																							
		0%	£0	#DIV/0!	E0	£0	£0	£0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
Northern City	Centre/Anglian Square	£1,500,000																							
	East of England Development Agency (EEDA)	0%	£0	#DIV/0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	E0	£0	60
	Local Authorities	0%	£0	#DIV/0	£0	60	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0
	Local Adiilotties	0%	£0	#DIV/0	£0	£0 £0	£0	EO EO	£0	£0	£0	EO	£0	£0	£0	EO	£0	03	E0	£0	60	£0	EO	£0	03
		000.083	£0	#DIV/U!	£U	EU	£U	EU	EU	£U	£U	EU	EU	£U	EU	EU	EU	£U	EU	EU	EU	1.0	EU	EU	EU
Norwich City	Airport (Feasibiliy Study)																								
	Other Public Sector	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	60	£0	£0	E0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	E0	£0	03
Longwater E	mployment Area	£11,000,000																							
_		0%	E0	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	EO	EO EO	£0	E0	£0	£0	£0	EO	£0	£0	EO	£0	£0	£0	£0	£0	£0	£0	EO	£0	60
Eurthor Koy	Educational Establishment FE/HE	£18 000 000	1.0	FDIVIO:	1.0	1.0	LU	1.0	1.0	LU	1.0	1.0	LU	1.0	1.0	1.0	1.0	LU	1.0	1.0	LU	1.0	1.0	1.0	LU
rurther Key	Educational Establishment FE/RE	10,000,000	£0	100.00	EO						£0					1		£0		£0		£0	E0	£0	60
				#DIV/U		EO	£0	E0	£0	£0		E0	£0	£0	E0	£0	£0		EO		£0				
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0
Job Growth	Strategy	£10,000,000																							
	Other Public Sector	0%	E0	#DIV/0!	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
	University of East Anglia	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
		0%	E0	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
	Tota	al Funding - Economic Development	£0																						
Main Serv	ices / Utilities																								
Electricity		£46,833,000																							
	EDF Energy	50%	£23,416,500	100%	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£1,170,825	£4,683,300	£4,683,300	£4,683,300	£4,683,300	£3,512,475	£0	£0	E0	£0	60
	-	0%	£0	#DIV/0	£0	£0	£0	E0	£0	£0	FO.	E0	£0	£0	F0	£4,000,000 £0	£0	£4,000,000	£4,000,000	E0,012,470	£0	£0	E0	£0	£0
		0%	60	#DIV/0!	£0	EO	£0	E0	£0	60	£0	E0	£0	£0	£0	£0	£0	03	E0	EO	£0	£0	EO	£0	03
Gas		£11 000 000	LU	FDIVIO	1.0	LU	LU		LU	LU	1.0	1.0	LU	LU	LU	1.0	LU	LU	1.0	1.0	10	LU	1.0	LU	LU
Gas				appear.	1	1 00 1		1 1													1	1			
	Transco	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	E0	£0	£0	E0	£0	60
		0%	EO	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	E0	E0	£0	EO	E0	£0	£0	E0	EO	£0	£0	E0	£0	60
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	£0	EO	£0	£0	E0	£0	£0
Water		£14,000,000																							
	Anglia Water Services	85%	£11,900,000	100%	£0	£0	£0	E0	£0	£0	£2,380,000	£2,380,000	£0	£0	£0	£2,380,000	£2,380,000	£2,380,000	£0	£0	£0	£0	E0	£0	£0
		0%	£0	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	E0	E0	£0	£0	E0	£0	EO
		0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	£0	EO	£0	£0	E0	£0	£0
Waste Water		£15,000,000																							
	Anglia Water Services	85%	£12,750,000	100%	£0	60	£0	E0	£0	£0	£3,187,500	£3,187,500	£3,187,500	£3,187,500	£0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£O
	ringin vidici sci VICC3	0%	£12,750,000	#DIV/01	EO	£0	£0	EO EO	£0	£0 £0	£0	£3,167,300 £0	£3,167,500 £0	£3,167,500 £0	E0	EO EO	£0	60	E0	EO EO	£0	£0	E0	£0	£0
		0%	£0	#DIV/U!	EO EO	EO EO	£0	EO EO	EO EO	£0	£0	E0	£0	£0	E0	E0	E0	£0 £0	E0	EO EO	£0	£0	E0	E0	£0 £0
				#DIV/U!	EU	EU	ĽU	EU	EU	EU	ĽU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	ĽU	EU	EU	EU
l	Tol	tal Funding - Main Services / Utilities	£48,066,500	1																					
				4																					
		NG - STRATEGIC INFRASTRUCTURE	£76,066,500	1																					
	TOTAL COS	TS - STRATEGIC INFRASTRUCTURE	E582,687,000																						
				-																					

	G SOURCES																								
FUNDING A					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCAL INF	FRASTRUCTURE																								
Education																									
2 x New Prim	ary Schools co-located with Early Years Facilities	£9,000,000																							
	Local Authorities	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0

				_																						
Second S		Learning and Skills Council	0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
Self-order 1960 1960 1960 1960 1960 1960 1960 1960			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
Company Comp	Health																									
Company Comp	2 x PCC		£7,000,000																							
Column C			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
S. OF Purples 100			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0
Process Proc			0%	£0	#DIV/0!	£0	E0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£O
Company Comp	2 x GP Surg	eries	£700,000																							
Note Continue system Continue system Continue			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0
Under Section (Section and Police Call Continuity Centre and Police Call Call Call Call Call Call Call Cal			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	EO	£0	£0
See			0%	£0	#DIV/0!	£0	E0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£O
Contract	Other Fac	cilities				-18			•			•		•						•	•	•	•	•	•	
Company Comp	3 x New Lib	rary co-located with Community Centre and Police Cen	£11,747,000																							
Column C			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	EO	£0	EO
Section Sect			0%	£0	#DIV/0!	£0	E0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0
			0%	£0	#DIV/0!	£0	E0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0
Company Comp	2 four lane s	swimming pools	£6,500,000																							
Control Cont			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0
			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
1			0%	£0	#DIV/0!	£0	E0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	2 four court	sports centre	£4,000,000																							
Composition			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
			0%	£0	#DIV/0!	£0	E0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0
			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0
1	Open Spa	ice																								
Company Comp	9.5 ha of All	otments	£855,000																							
Charle Children's Playspace E390,000 Sha of Children's			0%	E0	#DIV/0!	E0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	EO	£0	£0
Description 1.5 Desc			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0
0%			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0
ON ED FONDS ED	3 ha of Child	dren's Playspace	£3,900,000																							
0% ED FDM/RD ED ED <th< th=""><th></th><th></th><th>0%</th><th>£0</th><th>#DIV/0!</th><th>£0</th><th>£0</th><th>£0</th><th>E0</th><th>£0</th><th>£0</th><th>£0</th><th>E0</th><th>£0</th><th>£0</th><th>£0</th><th>£0</th><th>£0</th><th>£0</th><th>E0</th><th>£0</th><th>£0</th><th>£0</th><th>E0</th><th>£0</th><th>£0</th></th<>			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0
TOTAL FUNDING - LOCAL INFRASTRUCTURE £0			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£0	£0	£0	£0
			0%	£0	#DIV/0!	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	£0	E0	£0	£0	E0	£0	£0	£0	£0	£0	£0
TOTAL COSTS - LOCAL INFRASTRUCTURE £43,702,000		TOTAL FUI	NDING - LOCAL INFRASTRUCTURE	£0																						
		TOTAL C	COSTS - LOCAL INFRASTRUCTURE	£43,702,000	1																					

Note: Only information within yellow cells can be updated manually. All other information updates automatically.

GROW'	TH SCENARIO ONE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Land Val	ue Capture																					
£25,000	Land Value Capture per dwelling																					
38%	Affordable Housing Provision																					
	Past Completions	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Commitments	£0	£0	£0	EO	£0	£0	£0	£0	£0	EO	£0	£0	£0	£0	£0	£0	£0	£0	EO	£0	EO
	Urban Capacity	£0	£0	£0	EO	£0	£0	£0	£0	E0	£0	£0	£7,548,500	£7,889,500	£10,989,500	£9,811,500	£9,424,000	£7,874,000	£7,874,000	£6,324,000	£6,324,000	£74,059,000
	Growth Scenario One	£0	£0	£0	£0	£0	£0	£0	£0	E0	£0	£0	£3,875,000	£7,750,000	£10,075,000	£11,625,000	£11,625,000	£11,625,000	£11,625,000	£11,625,000	£11,625,000	£91,450,000
	Windfall Assumptions	£0	£0	£0	£0	£0	£0	£0	£0	E0	EO	£0	£0	£0	£0	£0	£0	£0	£0	EO	£0	EO
	Total Land Value Capture Income (Annual)	03	60	03	03	60	£0	£0	60	£0	£0	£0	£11,423,500	£15,639,500	£21,064,500	£21,436,500	£21,049,000	£19,499,000	£19,499,000	£17,949,000	£17,949,000	£165,509,000

					Total Infrastruc	ture Costs (£ million)		
Strategic Infrastructure Requirement	2007/8	2008/9	2009/10	2010/11	2011/12	2012/13	2013/4 - 2020/1	Phasing TBA	Total
Transport Initiatives	£15,044,657	£39,244,657	£44,744,657	£44,744,657	£51,261,324	£33,859,524	£69,159,524	£98,750,000	£396,809,000
Social Infrastructure Works	£311,429	£311,429	£1,561,429	£311,429	£1,561,429	£2,811,429	£15,491,429	£O	£22,360,000
Green Infrastructure	£2,241,875	£2,241,875	£2,241,875	£2,241,875	£263,750	£263,750	£2,110,000	£O	£11,605,000
Economic Development	£7,540,000	£10,290,000	£10,250,000	£10,250,000	£9,750,000	£7,000,000	£10,000,000	£O	£65,080,000
Main Services / Utilities	£6,550,000	£8,750,000	£5,950,000	£4,850,000	£3,441,650	£13,266,600	£44,024,750	£O	£86,833,000
TOTAL	£31,687,961	£60,837,961	£64,747,961	£62,397,961	£66,278,152	£57,201,302	£140,785,702	£98,750,000	£582,687,000

Local Infrastructure Requirement	Total Infrastructure Costs (£ million)													
	2007/8	2008/9	2009/10	2010/11	2011/12	2012/13	2013/4 - 2020/1	Phasing TBA	Total					
Education	£0	£0	£0	£0	£0	£0	£9,000,000	£0	£9,000,000					
Health	£0	£175,000	£175,000	£0	£175,000	£175,000	£7,000,000	£0	£7,700,000					
Other Facilities	£O	£3,500,000	£7,415,667	£3,500,000	£7,831,333	£0	£0	£0	£22,247,000					
Open Space	£0	£378,860	£431,491	£435,996	£363,910	£328,891	£2,815,851	£0	£4,755,000					
TOTAL	£0	£4,053,860	£8,022,157	£3,935,996	£8,370,244	£503,891	£18,815,851	£0	£43,702,000					

Table 7.1 Infrastructure Delivery Costs

Cost / Ir	ncome Analysis (Annu	(£ million)								
		2007/8	2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	2013/14 - 2020/21	Phasing TBA	Total (2007/8- 2020/21)
	Transport Initiatives	£15,044,657	£39,244,657	£44,744,657	£44,744,657	£51,261,324	£33,859,524	£69,159,524	£98,750,000	£396,809,000
jic	Social Infrastructure Work	£311,429	£311,429	£1,561,429	£311,429	£1,561,429	£2,811,429	£15,491,429	£0	£22,360,000
Strategic	Green Infrastructure	£2,241,875	£2,241,875	£2,241,875	£2,241,875	£263,750	£263,750	£2,110,000	£0	£11,605,000
St	Economic Development	£7,540,000	£10,290,000	£10,250,000	£10,250,000	£9,750,000	£7,000,000	£10,000,000	£0	£65,080,000
	Main Services / Utilities	£6,550,000	£8,750,000	£5,950,000	£4,850,000	£3,441,650	£13,266,600	£44,024,750	£0	£86,833,000
	Education	£0	£0	£0	£0	£0	£0	£9,000,000	£0	£9,000,000
Local	Health	£0	£175,000	£175,000	£0	£175,000	£175,000	£7,000,000	£0	£7,700,000
Po	Other Facilities	£0	£3,500,000	£7,415,667	£3,500,000	£7,831,333	£0	£0	£0	£22,247,000
	Open Space	£0	£378,860	£431,491	£435,996	£363,910	£328,891	£2,815,851	£0	£4,755,000
	Total Infrastructure Costs	£31,687,961	£64,891,821	£72,770,118	£66,333,957	£74,648,396	£57,705,194	£159,601,554	£98,750,000	£626,389,000
	Total Public / Private Fund	£5,567,500	£5,567,500	£7,187,500	£7,187,500	£5,170,825	£11,063,300	£34,322,375	£0	£76,066,500
	Funding GAP	-£26,120,461	-£59,324,321	-£65,582,618	-£59,146,457	-£69,477,571	-£46,641,894	-£125,279,179	-£98,750,000	-£550,322,500
	LVC	£0	£0	£0	£0	£0	£11,423,500	£154,085,500	£0	£165,509,000
	Total Funding GAP after L	-£26,120,461	-£59,324,321	-£65,582,618	-£59,146,457	-£69,477,571	-£35,218,394	£28,806,321	-£98,750,000	-£384,813,500

Table 8.1 - Summary Funding Position

Norwich Infrastructure Phasing

LOCAL INFRASTRUCTURE PROJECTS

STRATEGIC INFRASTRUCTURE PROJECTS														
Infrastructure Phasing	2007/8	2008/9	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	20015/16	20016/17	20017/18	2018/19	2019/20	2020/21
Strategic Infrastructure		8		10		12	13	14	15	16		18	19	20
Transport Initiatives														
Enhanced Bus Fleet														
Development of Bus Priority Schemes														
Development of Walking and Cycling Strategies - Outer Areas														
Norwich Southern Bypass Junctions														
Dualling A47 Blofield to North Burlingham														
Development of Northern Distributor Road														
Improvements to A47 Longwater Junction														
Development of A140 Long Stratton Bypass														
Support for A47 Postwick Junction Improvements														
Improvements at Norwich Airport														
Strategic Rail Improvements														
Local Rail Improvements														
City Centre Spatial Strategy Transport Recommendations														
Implementation of Bus Rapid Transit System		•		•										
Light Rapid Transit Review														
Park and Ride expansion														
	•	•	•	•	•	•			•		•	•	•	•
Social Infrastructure Works														
74 New Acute beds														
24 New Mental Health Beds														
Police Officers (5 x New Safer Neighbourhood Teams)														
1 x New Fire Station														
												•	•	
Green Infrastructure														
Green Infrastructure Study														
	•	•	•	•	•	•	•	•	•	-	•		•	•
Economic Development														
Deal & Utilities Site														
Norwich Research Park														
Northern City Centre/Anglian Square		•												
Norwich City Airport (Feasibiliy Study)														
Longwater Employment Area														
Further Key Educational Establishment FE/HE														
Job Growth Strategy														
Main Services / Utilities														
Electricity														
Gas														
Water														
Waste Water							-					-		

Infrastructure Phasing	2007/8	2008/9	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	20015/16	20016/17	20017/18	2018/19	2019/20	2020/21
Local Infrastructure		8		10		12	13	14	15	16		18	19	20
Education														
2 x New Primary Schools co-located with Early Years Facilities														
Health														
2 x PCC														
2 x GP Surgeries														
Other Facilities														
3 x New Library co-located with Community Centre and Police Centre														
2 four lane swimming pools														
2 four court sports centre														
Open Space														
9.5 ha of Allotments														
3 ha of Children's Playspace														