

Sustainable development panel

Date: Wednesday, 23 September 2015 Time: 09:30 Venue: Westwick room, City Hall, St Peters Street, Norwich, NR2 1NH

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Supplementary agenda

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1 Air quality action plan

Purpose - This report seeks comment on a draft air quality action plan to address transport related air quality issues in Norwich

2 Local plan implementation issues resulting from the housing standards review

Purpose - To consider and advise cabinet on local plan advice and information notes produced to take account of the national housing standards review.

Date of publication: Thursday, 17 September 2015

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Report to	Sustainable development panel	Sup Agenda Item
	23 September 2015	
Report of	Head of city development services and head of city wide services	1
Subject	Air quality management plan	

Purpose

This report seeks comment on a draft air quality action plan to address transport related air quality issues in Norwich.

Recommendation

The panel is asked to comment on the draft action plan prior to consideration by the city council's cabinet at its October 2015 meeting.

Corporate and service priorities

The report helps to meet the corporate priority of a safe, clean and low carbon city and the service plan priority to prepare an air quality management action plan

Financial implications

The measures contained in the draft action plan will be funded from capital allocations associated with the delivery of the Transport for Norwich programme or within existing departmental budgets.

Ward/s: Mancroft and Thorpe Hamlet

Cabinet member: Councillor Bremner – Sustainable development

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Background documents

None

Report

Background

- The quality of air is important to health and quality of life. All lower tier and unitary local authorities are obliged to review and assess air quality under the Environment Act 1995 in line with the Government's air quality strategy published in 2000 and updated in 2007. In conducting such reviews and in developing and implementing action plans to address air quality problems such authorities need to work closely with upper tier authorities as very often exceedances in air quality standards are transport related.
- 2. The council currently monitors air quality for two pollutants considered to be of concern to human health: nitrogen dioxide and particles, but has previously measured other pollutants ie carbon monoxide, sulphur dioxide and ozone. These other pollutants are no longer measured as there was no threat to the relevant air quality standards.
- 3. The city and county councils have had some success in addressing air quality 'hotspots' in Norwich. Interventions at Grapes Hill have improved air quality on a sustained basis and reducing traffic on St Augustines Street has reduced levels of nitrogen dioxide.
- 4. However average levels of nitrogen dioxide remain high in parts of the city centre and at its boundary including Castle Meadow, St Stephens Street, King Street, Riverside Road and Bull Close Road. In view of this the council formally declared the whole of the city centre as an air quality management area in November 2012. Having identified the area the council is under an obligation to develop an air quality action plan with the objective of working towards achieving the air quality standards.
- 5. Work by AEA Technology identified emissions of oxides of nitrogen (NO_X) from traffic on roads close to the AQMAs as the most significant source contribution of NO₂. In view of this the council has worked with the county council as transport authority to develop an action plan to address this.

Draft action plan

- 6. The jointly developed draft action plan is appended to this report. Previous work to address air quality 'hot-spots' has been reviewed to help inform the action plan and it shows that road infrastructure changes would probably have the greatest impact on tackling air pollution issues (as demonstrated for the St Augustines area). Soft measures such as travel planning are seen to have less quantifiable and more long-term impacts. The Action Plan therefore concentrates significantly on road changes.
- 7. The overall aim of the interventions are to divert as much non-essential traffic out of the city centre by way of restricted road access measures and re-routing of main traffic flows. In addition, bus lanes and cycle routes are increased to give greater connectivity. Park & ride facilities are continuously reviewed for ongoing improvement to enhance passenger utilisation. In conjunction with road infrastructure changes, the plan is to also include new signage to encourage eco driving, and traffic optimisation measures (such as traffic light synchronisation), to optimise traffic flow, ease congestion and reduce queuing.

8. Improvements in air quality in Castle Meadow are anticipated as a result of building on the air quality measures already in place, principally in connection with the Low Emission Zone. This will include working with bus companies to take minimum vehicle emissions standards beyond Euro 3, aiming to achieve Euro 5 standard and better. It will also include reinforcement of the Road Traffic Regulations to ensure engine switch-off is complied with.





ENVIRONMENT ACT 1995 PART IV

LOCAL AIR QUALITY MANAGEMENT

AIR QUALITY ACTION PLAN

City of Norwich

August 2015

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EXECUTIVE SUMMARY

The Environment Act 1995 imposes a statutory duty on Local authorities to review and assess the air quality in their districts to determine whether certain air pollutants are likely to meet prescribed government air quality objectives. The objectives give maximum allowable mass concentration limits for 8 different pollutants and, if exceeded, there is then a statutory duty to declare an Air Quality Management Area.

Norwich City Council has now completed 4 rounds of Review & Assessment, and is in the final stages of round 5. In November 2012, the council consolidated all previously declared AQMAs into a single central AQMA, broadly encompassing the area inside the inner ring road.

This Action Plan is a statutory requirement resulting from the declaration of the AQMA and the continued exceedence of the annual mean objective for nitrogen dioxide (NO₂), but for no other pollutants. The purpose of this statutory duty is to produce and implement an Action Plan to reduce local levels of the specified pollutant in the area declared.

Source apportionment exercises identify oxides of nitrogen from road traffic to be the most significant source of nitrogen dioxide and, more specifically, buses and taxis to be the main contributor. Oxides of nitrogen are a by-product of incomplete combustion.

By declaring an area of central Norwich as a single AQMA, it allows a more holistic approach to be adopted to try and reduce pollution levels as opposed to dealing with the problem of isolated pollution hot spots.

Air quality continues to be monitored in order to assess progress towards achieving the annual average nitrogen dioxide objective.

Air pollution has risen up the corporate agenda at Norwich City Council since the first round of Review & Assessment, and the Transport Planning Officer now has to consider air quality issues for all new developments. Norfolk County Council has incorporated a local air quality strategy into its Local Transport Plan to deal with air quality issues and to try and reduce pollution associated with traffic in all future plans.

This Action Plan is a progression from the previous Action Plan produced in 2004 after the first round of Review & Assessment. It identifies the strengths of the previous Action Plan, the strategies that had the greatest impact on improving air quality, and builds on this progress by concentrating on these strategies. As a result, this Action Plan focuses principally on road infrastructure changes designed to further pedestrianize and divert traffic away from the congested Norwich city centre. The purpose of the road changes are also to improve traffic flow by introducing more one way systems, optimising traffic flow at junctions and reduce vehicle queuing.

1. INTRODUCTION

The City of Norwich, situated in the east of England is the administrative centre of the County of Norfolk. It covers approximately 39 square kilometres and has a population of about 132,000. Norwich is the fourth most densely populated local authority district in the eastern region with approximately 34 people per hectare.

Although the administrative area of Norwich is geographically small, the role of the City is much larger as a regional centre with an extensive catchment covering most of Norfolk and parts of the adjacent County of Suffolk. Whilst the City itself is relatively compact, it is built on a radial pattern and, with a relatively large but low-density catchment, movement patterns are essentially disparate. Reliance on car-based travel, particularly beyond the urban area is very high, and the travel to work area (i.e. the area of Norwich in which most people both live and work) includes more than 376,000 people. Norwich suffers from traffic congestion, and major routes create blockages. Access by non-car modes to some parts of the City is difficult. In aggregate, it is these circumstances that principally create the air pollution issues in Norwich and, due to the complexity of these circumstances, makes them challenging to resolve.

Transport and traffic management are some of the most difficult issues facing the city. Norwich's economic prosperity depends upon large numbers of people from the surrounding areas being able to get into the city centre for work, for shopping and for leisure or tourist visits. The preferred form of transport for such journeys for most people would currently be the car but extensive Park & Ride facilities aim to reduce this impact and reliance, as does the improvements to public transport and other non-car modes of travel.

Norfolk County Council, in association with Norwich City Council, transport providers, local businesses and local communities have been working to improve accessibility for everyone around the City, as well as enhancing wider accessibility to Norfolk, the rest of the UK and Europe.

2. BACKGROUND

2.1 Introduction

Air pollution can cause both short term and long term effects on health, particularly in the young and elderly, or people with heart or lung conditions, or other breathing problems.

The pollutant of most concern in Norwich in terms of air quality is nitrogen dioxide (NO₂), as current levels to do not meet the national healthbased standard of 40 μ g/m³ as an annual mean. In Norwich, the most significant source of NO₂ is from emissions of oxides of nitrogen (NO_x) from road traffic.

In developing this Air Quality Action Plan (AQAP) to improve air quality in Norwich, the Council has used Government guidance and the relevant publications by Environmental Protection UK (EPUK).

The main factors taken into consideration when devising the AQAP were to ensure that air quality improvement actions remain consistent with current Norfolk County Council and Norwich City Council policies including the Joint Core Strategy for Broadland, Norwich and South Norfolk councils; the City Centre Transport Plan, the Norwich Area Transportation Strategy and the Local Transport Plan etc.

The AQAP therefore aims to:

- Encourage sustainable transport;
- Increase accessibility and social inclusion;
- Improve health, safety and the environment;
- Support the local economy including commerce and tourism;
- Balance costs and benefits; and
- Maintain public input and support.

2.2 Policy Context

The UK Government published its strategic policy framework for air quality management in 1995 establishing national strategies and policies on air quality. This culminated in The Environment Act 1995. The Air Quality Strategy provides a framework for air quality control through air quality management and set standards. These and other air quality standards¹ and their objectives² have been enacted through the National Air Quality Standards (NAQS) in 1997, 2000 & 2010.

The Environment Act 1995 requires local authorities to undertake the review and assessment of local air quality. In areas where it is anticipated that an air quality objective will not be met, local authorities are required to declare an Air Quality Management Area. Once an Air Quality Management Area is declared, the local authority must develop an Action Plan which sets out how it will use the powers at its disposal in pursuit of the National Air Quality Objectives. However, local authorities are not obliged to achieve the objectives, as they do not have sufficient control over all of the sources which could potentially give rise to the breach. For example in England, major roads and motorways are usually under the control of the Highways Agency, and large industrial processes, including power stations, are regulated by the Environment Agency. The great majority of Air Quality Management Areas have been declared because of emissions from road transport.

Norwich City Council and Norfolk County Council recognise their role in pursuit of the achievement of the national objectives set out in the NAQS, and have been working closely to try and achieve these targets where Air Quality Management Areas have been declared.

2.3 Nitrogen Dioxide and Health Impacts

Environmental legislation introduced over the past fifty years has provided a strong impetus to reduce the levels of harmful pollutants in the UK; as a result, current concentrations of many recognised pollutants are now at the lowest they have been since measurements began. However, although the lethal city smogs of the 1950s, caused by domestic and industrial coal burning, have now gone for good, air pollution remains a problem in the UK. Medical evidence shows that many thousands of people still die prematurely every year because of the effects of air pollution. The proportion of air pollutants which comes from traffic has been increasing whilst the traditional heavy industrial pollution sources are in decline. In Norwich, road traffic is the primary source of NO₂ air pollution, as there is very little industrial pollution.

Nitrogen dioxide (NO₂) and nitric oxide (NO) are both oxides of nitrogen which together are referred to as NO_x. All combustion processes produce some NO_x but only NO₂ is associated with adverse effects on human health. Nitrogen dioxide is mainly a secondary pollutant formed

¹ Refers to standards recommended by the Expert Panel on Air Quality Standards. Recommended standards are set purely with regard to scientific and medical evidence on the effects of the particular pollutants on health, at levels at which risks to public health, including vulnerable groups, are very small or regarded as negligible.

² Refers to objectives in the Strategy for each of the eight pollutants. The objectives provide policy targets by outlining what should be achieved in the light of the air quality standards and other relevant factors and are expressed as a given ambient concentration to be achieved within a given timescale.

by the oxidation of nitric oxide in the atmosphere. On a national level the main sources of NO_x are road transport (48%), power generation (20%), other industry (15%) and domestic sources (4%). The remainder arises from other forms of transport and commercial heating systems. In urban environments, the contribution from road traffic is much higher and, in the absence of localised point sources, accounts for the majority of NO_2 pollution. Measures to reduce road traffic pollution will therefore play a major role in meeting the air quality objective for NO_2 .

As NO₂ has both short term and long term health effects, two objectives have been set for NO₂ concentrations. The first is an hourly objective currently set at 200 micrograms per cubic metre (μ g/m³) not to be exceeded more than 18 times a year. The second is an annual objective of 40 μ g/m³. Real time monitoring carried out in the city has shown that, for the most part, the hourly objective for NO₂ is being met in most locations. Where there have been exceptions to this hourly objective, i.e. the Castle Meadow area, specific circumstances such as road works causing traffic congestion have found to be the most likely cause. However, the results of the real time monitoring and monthly diffusion tube surveys indicate that the annual objective is currently being exceeded at several kerbside and roadside locations around the city and, unless circumstances change, may continue to do.

3. AIR QUALITY REVIEW AND ASSESSMENT

3.1 Overview

The main elements of the National Air Quality Strategy (NAQS) can be summarised as follows:

- The use of a health effect based approach using national air quality standards and objectives.
- The use of policies by which the objectives can be achieved and which include the consideration of important factors such as industry, transportation bodies and local authorities.
- The pre-determination of timescales with a target date for the achievement of objectives, and a commitment to review the Strategy every three years. At the present time, this Strategy is under review by Defra.

NAQS provides a framework for the improvement of air quality that is both clear and workable. The strategic principles to achieve this include:

- clear Governmental aims regarding air quality;
- clear and measurable targets;
- a balance between local and national action; and
- a transparent and flexible framework.

The air quality objectives set for specific pollutants can be found in **Appendix 1**.

3.2 Methodology

Government guidance suggested a phased approach to review & assessment (R&A). The intention was that local authorities should only undertake a level of assessment that is commensurate with the risk of an air quality objective being exceeded. Not every authority will therefore need to proceed beyond the first step in future rounds of R&A. In Norwich air quality was originally assessed in 4 stages:

- Stage 1: an initial study to identify which pollutants require further investigation;
- Stage 2: estimation, modelling or measurement of pollutants where this indicates national objectives will not be achieved;
- Stage 3: advanced modelling techniques used and emission inventories determined Detailed Assessment.

Following the above process, Air Quality Management Areas (AQMAs) must be declared where it is concluded that local air quality will not meet national targets.

• Stage 4: declaration of AQMA and generation of an Air Quality Action Plan (AQAP) to develop and implement strategies that will ultimately deliver the National Air Quality Standards in the AQMA for each of the pollutants identified.

Though the Environment Act 1995 does not prescribe any timescale for preparing an action plan, the Government expects them to be completed between 12-18 months following the designation of any air quality management areas.

3.3 Results and Declaration

The Stage 1 review and assessment concluded that three pollutants required further investigation in order to ascertain whether the 2005 objectives would be achieved. These are nitrogen dioxide (NO_2), sulphur dioxide (SO_2) and particulate matter (PM_{10}).

The Stage 2 review and assessment for SO₂ and PM₁₀ concluded that objectives for 2005 would be achieved.

The review and assessment for NO₂ was taken straight to Stage 3 as it was clear from the initial review and assessment that it would not achieve the 2005 annual mean objective. The Stage 3 review and assessment subsequently confirmed that this to be the case.

As a result of the Stage 3 Review and Assessment, on 1st June 2003, Norwich City Council declared three AQMAs at St Augustine's Street, Grapes Hill and the Castle Area. All three areas were considered likely to exceed the 2005 NO₂ annual mean objective. An Action Plan was finalised in March 2004.

In 2009, Riverside Road was declared an AQMA, thus making four AQMAs in total.

In 2012, on account of further areas within the inner ring road being identified as borderline AQMAs, the four existing AQMAs were amalgamated into a single area, encompassing the whole of the inner city.

3.4 Source Apportionment

It is necessary to attribute exceedences of air quality objectives to a particular sector in order to subsequently identify how the air quality can be improved. Source apportionment work undertaken by AEA Technology identified emissions of oxides of nitrogen (NO_x) from traffic on roads close to the AQMAs as the most significant source contribution of NO₂. Emissions of NO_x from local traffic accounted for approximately 68 -79% of the total modelled NO_x concentrations at the most affected properties within the AQMAs. Since this work was carried out there have been no significant changes in Norwich in terms of industrial development etc, so it is considered that this model is still applicable.

4. AIR QUALITY MANAGEMENT AREAS

4.1 Overview

In November 2012, Norwich City Council amalgamated all four previously declared AQMAs into a single AQMA which encompasses the whole of the city centre, the boundary of which is essentially defined by the inner ring road. This larger AQMA does not signify that the whole city centre exceeds the Government's objective level for nitrogen dioxide. The reasoning behind this approach is to allow more holistic and broader ranging actions to be implemented to tackle air quality issues. This approach also discourages the emphasis of simply resolving pollution hot spots, which then tends to just move the problem elsewhere.

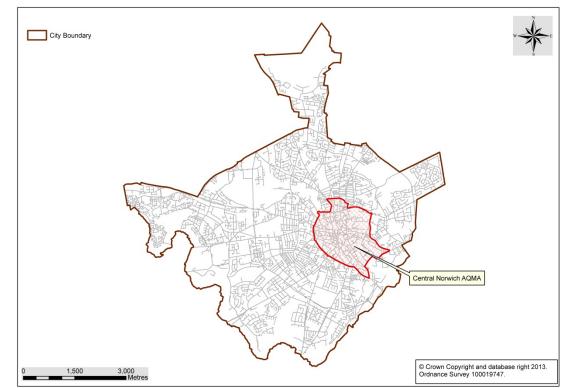


Figure 1 Norwich Air Quality Management Area

AQMA Order No2 Grapes Hill AQMA Order No3 Castle

5. SUMMARY OF ACTION PLAN MEASURES IMPLEMENTED TO DATE

Action plan measure	Implemented	Outcome	Brief Comments			
	Infrastructure					
Declare area inside inner ring road an AQMA for NO ₂ and revoke existing AQMAs	Nov-12	All existing AQMAs, plus those under review, have been amalgamated into a single AQMA. This encourages a more holistic approach to AQ when planning infrastructure changes.	Declaration of AQMA initiates requirement to generate an Action Plan.			
Castle Meadow Low Emission Zone	Designed 2004/05, phased implementation 2006/07, completing in 2009	Continuous automatic monitoring showed a reduction in year on year NO ₂ levels from 2007 to 2009. By contrast, 2010 to date shows a relatively stable, though increased, annual mean level. There have been increased hourly mean episodes during the same period also. Individual tubes on Castle Meadow show relatively stable levels.	Low Emission Zone includes application of Road Traffic Regulation Order & bus retro-fit programme. Measures still being implemented.			
Bus/Rail Interchange	2009/10	Greater use of bus/rail link up	Part of Civitas funding			
St Augustine's Road Layout Changes	2011	One-way gyratory system to reduce traffic levels in St Augustine's Street. In first 2 years of operation NO ₂ levels reduced by approx $8\mu g/m^3$ and $4\mu g/m^3$ respectively	Air quality has shown improvement on St Augustine's Street following completion of the scheme. It has not yet achieved the objective, but NO ₂ levels show a marked reduction over the preceding two years. Has also delivered regeneration and road safety benefits			
Grapes Hill Road Layout Changes	Designed 2004/05, Implemented 2006	Layout and traffic light sequence changes resulted in reduced queuing on Grapes Hill. As a result, the 2008 detailed assessment concluded that the AQMA could be revoked.	AQMA now included in new central AQMA			

	Area Wide Measures, Initiatives & Policy Changes				
Bus Partnerships in LEZ	2009	Voluntary joint investment partnership established between First Bus, County Council and City Council during 2007 - 2010 period. This has delivered new Euro IV buses and improved fleet management.	Ongoing review of LEZ - Possible joint investment partnership to achieve minimum Euro V compliance in LEZ		
Freight Distribution Centre	2009/10	Foulgers taking project forward. Increasing no. of companies using distribution centre resulting in fewer HGV's in city.	Distribution vehicles can use bus lanes. Funded by Civitas.		
Park and Ride	2005	6 Park and Rides sites in Norwich with over 5,000 spaces - the most in the country. Circa 2.5 million passengers using Park and Ride each year Coach parking at Harford P&R	Along with promotions to use P&R, Norfolk County Council is developing a SMART ticketing system, meaning that those who travel more often pay less. NCC are also currently implementing a coach parking facility at Harford P&R. City centre parking tariffs encourage short/medium stay use which reduces peak hour movement, and consequently reduces congestion and traffic queues.		
Norfolk Car Club - http://www.norfolkcarclub.c om/	implemented in 2011 but ongoing	16 car club cars in Norwich & further 12 locations designated for use within 2 years. All planning developments >200 units will be required to fund at least one new car but in time expect to achieve funding for every 100 units. Research shows every new car club car equates to 12 cars not bought. Now contracted out to "Common Wheels".	Success grows membership numbers as users can be confident car will always be available when required.		
Norfolk Liftshare https://norfolk.liftshare.com /default.asp		Norfolk Liftshare was set up by Norfolk County Council to help residents get around the county by sharing car journeys. The service is free and is available to all who live, work and travel in and around Norfolk. This site matches residents up with potential partners as a driver or passenger. Residents can choose to share car journeys as little or as often as they like.	Ongoing		

School Travel Plans	Ongoing process	All existing schools now have travel plans. New schools must have a travel plan implemented through their planning application. Norfolk County Council monitor these travel plans	Norfolk County Council to re-visit progress of school travel plans for schools located in new AQMA.
Parking Permits priced according to vehicle size	2007-08	Aim is for residents to opt for smaller, more fuel efficient car.	Pricing policy still in place
Real time bus smartphone App	-	Aim is for more people to use buses due to reliable timetabling information being readily available.	Buses fitted with a transmitter send a signal to a satellite that locates the exact position of the bus. This information is then sent to a real-time system.
Land Use Planning	Ongoing	High density developments encouraged in areas of high accessibility to encourage sustainable travel. Concept retained in emerging LDF.	Ongoing

	Alternative Fuels				
Retro-fit	2005-2009	Bus fleet using Castle Area AQMA refitted to comply with Euro III standards or better. No further action	Retro-fit evaluated as part of CIVITAS SMILE project as part of wider project to introduce a Low Emission Zone		
Bio-diesel	2005+	CIVITAS funded research identified up to 20% bio-diesel blends have no negative impact on engines but potentially improves NOx emissions.	<u>Trials evaluated as part of CIVITAS</u> <u>SMILE project.</u>		
Bio-gas	2013+	Currently 7 biogas buses powered by gas sourced from food waste. Bio-gas has CO_2 and NOx benefits.	County encouraging introduction of more biogas fuelled buses.		

	`Leading by Example			
Vehicle Fleet	2012	Norwich City Council car fleet now includes electric as well as petrol efficient cars. County Council intend making better use of alternative fuels in its vehicle fleet.	4 Electric hook up points installed in St Giles car park for NCC electric vehicles.	
Workplace Travel Plans & Initiatives	Ongoing process	Travel to work survey undertaken annually. Cycling and pedestrian routes reviewed and improvements made including increased cycle storage facilities. Increased promotion of buses serving County Hall. Financial incentives to encourage staff to cycle to work. A Travel Plan officer, sponsored through LSTF, was employed by Norfolk County Council to work on both the Council's Travel Plan and promote Travel Planning in key businesses.	Work is ongoing to install alternative technologies to promote remote working.	

6. ACTION PLAN GOING FORWARD - 2015 ONWARDS

Action plan measure	Original Timescale	Outcome to date/AQ Progress	Comments		
	Infrastructure Changes				
Castle Meadow Low Emission Zone	Complete 2009 but ongoing improvement	Castle Meadow LEZ fully introduced with application of Traffic Regulation Condition & bus retro-fit programme. Outcome unclear as in recent years NO ₂ been increasing but probably would have been worse without LEZ.	Ongoing review of LEZ and the requirement to further reduce bus emissions. We will work with the bus companies and aim to achieve Euro V compliance within a time period of 3 years. Review of ticketing procedure to reduce passenger queuing. Partnership with taxi companies to be investigated with aim to include minimum emission standards.		
Establish central AQMA for NO ₂ to incorporate existing AQMAs	2012	Implemented Nov 2012. Declaration requires Action Plan to be drafted within 18 months. Air quality is a material planning consideration for all developments inside AQMA which could have impact on NO ₂ . Promoted AQ consideration in infrastructure changes.	Allows more holistic approach to improving AQ and reducing NO ₂ levels in areas where exceedences of AQ objective.		
Chapelfield North/St Giles/Bethel St area scheme	New road layout to be implemented starting in 2014	Diffusion tubes installed on Chapelfield North to determine existing conditions prior to road changes being implemented.	Diffusion tubes expected to show improvement in NO ₂ concentrations if new road layout reduces congestion as expected. Reduced congestion onto Chapelfield roundabout would have beneficial impact on congestion on Grapes Hill also.		
Two way on Cleveland Road and a new junction arrangement at Cleveland Road/Chapelfield North	2014-2018	Detailed scheme approved. Linked with work to deliver Norwich Area Transport Scheme Implementation Plan (NATS IP)	New junction arrangements to facilitate Chapelfield North scheme.		

	-		
Bus only through-traffic on Theatre Street and removal of general traffic except buses, taxis and cyclists from Rampant Horse Street	2013-2019	Detailed scheme approved. Linked with work to deliver NATS IP	Part of city centre measures to reduce through traffic
Little Bethel Street closure	2013-2020	Detailed scheme approved. Linked with work to deliver NATS IP	Part of Chapelfield North scheme and city centre measures.
Southbound bus lane on Grapes Hill	2013-2017	Detailed scheme approved. Linked with work to deliver NATS IP	Improvements to facilitate bus rapid transit on Dereham road bus corridor.
St Stephens Street and Surrey Street bus only	2013-2021	Detailed scheme approved. Linked with work to deliver NATS IP	Part of Chapelfield North scheme and city centre measures.
Westlegate - removal of straight ahead traffic movement	2013-2022	Detailed scheme approved. Linked with work to deliver NATS IP	Part of city centre measures to reduce through traffic
Extension of Postwick Park and Ride site	2013-2023	Linked with work to deliver NATS IP	Capacity Improvements
Review of traffic light times/synchronisation to optimise traffic flow for all new road layout schemes	2014/15	Review congestion patterns before and after new road layout schemes. Yet to be implemented	Congestion should be minimised
Construction of Northern Distributor Road (NDR)	2018+	Moving traffic out of city will help relieve congestion in the city. Yet to be implemented	Diffusion tube monitoring will show any generic decline in NO ₂ levels once NDR complete
Bus only on All Saints Green	2017 Long term	Waiting detailed design. Linked with work to deliver NATS IP	Closure of All Saints Green to all general traffic except buses.

Golden Ball Street and Farmers Avenue two-way	2017 onwards	Awaiting detailed design. Linked with work to deliver NATS IP	To reduce congestion and facilitate city centre road layout changes
Removal of general traffic except buses, taxies and cyclists from Red Lion Street	2017 onwards	Awaiting detailed design. Linked with work to deliver NATS IP	To reduce congestion and facilitate city centre road layout changes
Full closure of Westlegate	2017 onwards	Awaiting detailed design. Linked with work to deliver NATS IP	To reduce congestion and facilitate city centre road layout changes
Removal of general traffic except buses, cyclists and taxies from Prince of Wales Road (except Eastern section)	Long term - post NDR	Awaiting detailed design.	Long term goal once NDR has been completed
Bus only on Prince of Wales Road and Agricultural Plain	Long term - post NDR	Awaiting detailed design.	Long term goal once NDR has been completed
Removal of some non-bus, taxi or cycle through traffic from Tombland	Long term - post NDR	Awaiting detailed design	To reduce congestion and facilitate city centre road layout changes
Cycling City Roads bid for funds complete and successful	Funds secured 2013	Funding has been secured from DoT & local money for a £5.55 million transformation of the pedalway connecting the Norfolk and Norwich University Hospital in the west of the city to Heartsease and Salhouse Road in the east. This will enable the whole eight-mile route to be ridden confidently and safely by everyone.	Cycle routes extended and more joined up. Will encourage cycling as improved road safety.

	Informative Measures				
Signage to inform of AQMA in known congested areas. Signage to also encourage engine switch-off and display waiting time at traffic lights.	2014	Secure funding from County to implement signage.	Signage educates road users & reinforces AQMA		
		Area Wide Measures & Procedural Ch	anges		
Relocation of diffusion tubes to more representative locations, in accordance with best practice.	Completed	More representative assessment of NO ₂ levels with respect to exceedences of annual objective.	Typical monitoring locations for sensitive receptors to give more accurate assessment of NO ₂ concentrations.		
School Travel Plans	Implemented but requires updating	To date 88 school travel plans in place. County to request updated travel plans for schools inside new AQMA. Travel Plan to focus on using buses, cycling and walking to school to ensure travel by private car is minimised.	New schools must have a travel plan implemented through their planning application.		
Biogas	2013+	Anglian buses currently have 7 biogas buses powered by gas sourced from food waste. Biogas has both Nox, CO ₂ and particulates benefits. Aim is to increase the number of biogas buses in operation and encourage more bus companies to follow suit.	-		

8. CONCLUSIONS

In November 2012 due to high levels of nitrogen dioxide emissions from road traffic, and the possible requirement to declare further AQMAs, Norwich City Council declared the whole of the city centre bounded approximately by the inner ring road as a single Air Quality Management Area. As a result, an Air Quality Action Plan is required under the Environment Act 1995.

Source apportionment studies, and results from the previous action plan measures, identified road infrastructure changes would probably have the greatest impact on tackling air pollution issues. This was particularly well demonstrated for the St Augustines area. Soft measures were seen to have less quantifiable and more long-term impacts. The Action Plan therefore concentrates significantly on road changes. The overall aim of the modifications is to divert as much non-essential traffic out of the city centre by way of restricted road access measures and rerouting of main traffic flows. In addition, bus lanes and cycle routes are increased to give greater connectivity. Park & ride facilities are continuously reviewed for ongoing improvement to enhance passenger utilisation. In conjunction with road infrastructure changes, the plan is to also include new signage to encourage eco driving, and traffic optimisation measures (such as traffic light synchronisation), to optimise traffic flow, ease congestion and reduce queuing.

Improvements in air quality in Castle Meadow are anticipated as a result of building on the air quality measures already in place, principally in connection with the Low Emission Zone. This will include working with bus companies to take minimum vehicle emissions standards beyond Euro 3, aiming to achieve Euro 5 standard and better. It will also include reinforcement of the Road Traffic Regulations to ensure engine switch-off is complied with.

Both City & County councils are committed to improving air quality across the whole of Norwich. Many of the measures implemented in the 2004 Action Plan are still ongoing and supported. These include school and workplace travel plans, promoting alternative fuel use, land use planning, leading by example, continued support of Norfolk's car sharing and Car Club schemes, Travelwise initiative and promoting freight distribution centres. All major developments in the city centre will have significant regard to air quality with a strong emphasis on sustainable travel methods. The NDR is expected to divert traffic away from Norwich as a whole, and hence contribute to the more general improvement in Norwich's air quality.

It is expected that the road infrastructure changes, in addition to all of the other proposed and ongoing measures, will achieve measureable improvements in air quality, particularly in the central AQMA.

Norwich City Council and Norfolk County Council are committed to improving air quality in the AQMA to bring it in line with the National Air Quality Standard for nitrogen dioxide. This Air Quality Action Plan will help guide the overall strategy to achieve the government's air quality objective.

APPENDIX 1: NATIONAL AIR QUALITY OBJECTIVES

Pollutant	Applies	Objective	Concentration measures as	Date to be achieved by	European obligations	Date to be achieved by
Particles (PM ₁₀)	UK	50µgm-3 not to be exceeded more than 35 times a year	24 hour mean	31/12/04	50µgm ⁻³ not to be exceeded more than 35 times a year	1/1/05
	UK	40µgm⁻³	Annual mean	31/12/04	40µgm⁻³	1/1/05
Particles (PM _{2.5}) Exposure Reduction	UK UK	25µgm ⁻³ Target of 15% reduction in	 Annual mean	2020 Between 2010	Target value25 µgm ⁻³ Target of 20% reduction	
	UK urban	concentrations at urban	Annual mean	Between 2010 and 2020	in concentrations at	Between 2010 and 2020
	areas	background			urban background	
Nitrogen dioxide	UK	200µgm ⁻³ note to be exceeded more than 18 times a year	1 hour mean	31/12/05	200µgm ⁻³ note to be exceeded more than 18 times a year	1/1/10
	UK	40µgm⁻³	Annual mean	31/12/05	40µgm ⁻³	1/1/10
	UK	100µgm ⁻³ not to be exceeded	8 hour mean	31/12/05	Target of 120µgm ⁻³ not to	21/12/10

	UK	266µgm ⁻³ not to be exceeded more than 35 times a year	15 minute mean	31/12/05		
Sulphur dioxide	UK	350µgm ⁻³ not to be exceeded more than 35 times a year	1 hour mean	31/12/04	350µgm ⁻³ not to be exceeded more than 35 times a year	1/1/05
	UK	125µgm ⁻³ not to be exceeded more than 35 times a year	24 hour mean	31/12/04	125µgm ⁻³ not to be exceeded more than 35 times a year	1/1/05
Polycyclic Aromatic Hydrocarbons	UK	0.25ngm⁻³ B[a]P	As annual average	21/12/10	Target of 1ngm ⁻³	31/12/12
	UK	16.25 µgm⁻³	Running annual mean	31/12/03		
Benzene	England and Wales	5µgm⁻³	Annual average	31/12/10	5 µgm ⁻³	1/1/10
1,3-butadiene	UK	2.25µgm ⁻³	Running annual mean	31/12/03		
Carbon monoxide	UK	10mgm ⁻³	Maximum daily running 8 hour mean/in Scotland as running 8 hour mean	31/12/03	10mgm ⁻³	1/1/05
Lead	UK	0.5µgm ⁻³	Annual mean	31/12/04	0.5 µgm⁻³	1/1/05
	UK	0.25µgm ⁻³	Annual mean	31/12/08		

APPENDIX 2: STAKEHOLDER CONSULTATION LIST

Anglian Buses Broadland DC Chamber of Commerce Environment Agency First Bus National Express Norfolk County Council Norwich City Council South Norfolk DC

Report to	Sustainable development panel	Sup Agenda Item
	23 September 2015	
Report of	Head of planning service	2
Subject	Local plan implementation issues resulting from the housing standards review	

Purpose

To consider and advise cabinet on local plan advice and information notes produced to take account of the national housing standards review.

Recommendation

To recommend that cabinet approves use of the revised Greater Norwich Water Efficiency Advice Note and the Norwich only information notes on Internal Space Standards and Accessible and Adaptable dwellings to aid implementation of the Norwich local plan.

Corporate and service priorities

The report helps to meet the corporate priority a health city with good housing and the service plan priority to implement the local plan.

Financial implications

None

Ward/s: All wards

Cabinet member: Councillor Bremner – Environment and Sustainable Development

Contact officers

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Background documents

None

Report

Introduction

- This report requests that sustainable development panel considers and recommends Cabinet approves the revised Greater Norwich Water Efficiency Advice Note in annex 1 and the Internal Space Standards and Accessible and Adaptable dwellings information notes in annex 2.
- 2. The revised Greater Norwich Water Efficiency Advice Note relates to Joint Core Strategy policy and is therefore also being considered for approval by South Norfolk and Broadland district councils.
- 3. The information notes on Internal Space Standards and Accessible and Adaptable dwellings relate to Norwich local plan development management policies and are therefore only being considered by Norwich City Council.
- 4. The revisions to the advice note and the new information notes are required to take account of the national housing standards review published in the planning update ministerial statement in March 2015.

The revised Greater Norwich Water Efficiency Advice Note

- 5. The advice note supports implementation of the water efficiency element of policy 3 of the adopted Joint Core Strategy (JCS) for Broadland, Norwich and South Norfolk. The note is intended to replace the Greater Norwich Development Partnership Water Efficiency Advice Note produced in 2012.
- 6. The national housing standards review cancels the Code for Sustainable Homes (CfSH) which JCS policy 3 references. The ministerial statement requires that from 1st October 2015, where there is a relevant current Local Plan policy relating to water efficiency, it "should be interpreted by reference to the nearest equivalent new national technical standard" in the new Building Regulations.
- 7. Advice concerning non-residential development is unchanged from the 2012 note as national policy changes apply only to housing.
- 8. The review means that the adopted JCS policy 3 requirement for developments of over 500 dwellings to be built to the former CfSH level 6 standard of 80 litres/person/day (l/p/d) by 2015, which encouraged a design led approach to water efficiency on large scale sites, can no longer be applied due to the national policy changes. This is because there is no equivalent new national standard as demanding as the requirement set in the JCS.
- 9. The remainder of the policy can still be applied. The optional water efficiency standard set out in new Building Regulations part G2 regulation 36 2(b) of 110 litres/person/day is directly equivalent to the former CfSH requirement and is therefore is the nearest equivalent national technical standard. The advice note provides information to enable this standard to be implemented through JCS policy 3.
- 10. This policy approach and the resulting advice note should not lead to increased costs for housing developers. The optional water efficiency standard can be met at minimal

or no extra cost through the use of water efficient fixtures and fittings. This will in turn reduce the costs of water bills for householders and water use overall.

11. The note also addresses the review's requirement that local planning authorities review their local information requirements to ensure that the necessary technical detail is requested to support adopted policies.

Norwich local plan information notes

1. Internal space standards

Government had already indicated that it was likely to introduce national space standards when policy DM2 on Amenity was drafted. Therefore plan text states that the indicative space standards it includes would be used for guidance until superseded by national standards. The ministerial statement of March 2015 also applies to internal space standards – these should also be interpreted by reference to the nearest equivalent national technical standard in the new Building Regulations.

Annex 2, which will be read alongside relevant local plan text, sets out text containing and explaining the new national standards. The changes resulting from this are very limited, and are largely procedural. The national standards are broadly equivalent to the interim standards, with the former including a greater range of sizes of property and separating out storage requirements.

2. Accessible and Adaptable dwellings standards

In order to future proof the DM12 policy requirement for 10% of dwellings on sites of 10 homes or more to be built to Lifetimes Homes standards, so that they can be adapted to residents' changing needs over time, the policy refers to Lifetimes Homes standards "or equivalent".

Once again, the changes resulting from the housing standards review are very limited. The Building Regulations requirement M4(2) for accessible and adaptable dwellings is the nearest equivalent national technical standard to the Lifetime Homes standard required by the policy. Like Lifetime Homes, regulation M4(2) requires dwellings to be accessible, to meet differing needs, including for some elderly or disabled people, and to allow adaptation of the dwelling to meet the changing needs of the occupants over time.

Therefore, in order to continue to implement adopted policy DM12, 10% of homes on major housing developments of 10 dwellings or more must meet Building Regulations requirement M4(2) for accessible and adaptable dwellings.

Annex 2 also sets out the new text concerning accessible and adaptable dwellings which will be read alongside relevant local plan text and policy, including a link to the new national standards.

<u>Annex 1</u>

Greater Norwich Growth Board

Water Efficiency Advice Note – October 2015

1. Purpose of the note

The purpose of this advice note is to support implementation of the water efficiency element of policy 3 of the adopted <u>Joint Core Strategy</u> (JCS) for Broadland, Norwich and South Norfolk.

It replaces the Greater Norwich Development Partnership Water Efficiency Advice Note produced in 2012.

This advice note takes account of the national housing standards review published in March 2015 through a <u>ministerial statement</u>. Advice concerning non-residential development is unchanged from the 2012 note.

The national housing standards review cancels the Code for Sustainable Homes (CfSH) which JCS policy 3 references. The review establishes new national technical standards for water efficiency in new housing to be implemented through the Building Regulations, including an optional more demanding standard for water efficiency.

The ministerial statement requires that from 1 October 2015, where there is a relevant current Local Plan policy relating to water efficiency, it **"should be interpreted by reference to the nearest equivalent new national technical standard".** This advice note provides information to enable the government's revised standards to be implemented through JCS policy 3.

This note also addresses the review's requirement that local planning authorities review their local information requirements to ensure that the necessary technical detail is requested to support adopted policies.

2. Policy implementation

In relation to water efficiency, JCS policy 3 states:

To ensure all housing is water efficient, new housing development must reach Code for Sustainable Homes level 4 for water on adoption of this document and developments of over 500 dwellings must reach code level 6 by 2015.

All other developments must seek to maximise water efficiency.

The introduction of the national technical standard amends implementation of JCS policy 3 as follows:

1. The Code for Sustainable Homes (CfSH) level 4 policy requirement which applies to most housing development is replaced by the directly equivalent regulation 36

2(b) higher national technical standard for water efficiency, both of which are set at 110 litres per person per day (I/p/d) as opposed to the standard Building Regulations requirement of 125 I/p/d. This level of water efficiency can be easily achieved at very little extra cost through the use of water efficient fixtures and fittings.

2. The adopted JCS policy 3 requirement for developments of over 500 dwellings to be built to the former CfSH level 6 standard of 80 l/p/d by 2015, which encouraged a design led approach to water efficiency on large scale sites, can no longer be applied due to the national policy changes.

The justification for this policy approach is set out in the JCS and in appendix 3.

2.1 Residential developments

The regulation 36 2(b) optional higher requirement of 110 litres/person/day water efficiency is set out in <u>part G2 of the 2015 Building Regulations</u>. When completing their Building Regulations assessments, the applicant for planning permission must use the water efficiency calculator in part G2 <u>appendix A</u> to show how the development meets the requirement. This requirement will be set out in planning permissions and planning conditions will be applied (see appendix 1).

2.2 Non-residential development

The policy also requires non-residential development to **maximise** water efficiency. Evidence of how this will be done should be included in a Design and Access Statement. As a result, non-housing development should be accompanied by a nationally recognised assessment of water consumption.

It is strongly recommended that the most practical way of doing this is through a BREEAM assessment. Further detail on BREEAM assessments is in appendix 2 and the BREEAM <u>website</u> (see section 8).

In the absence of a BREEAM assessment, developers will need to provide evidence in their Design and Access Statement of how they have **maximised** water efficiency, clearly setting out the alternative means of achieving water efficiency that are appropriate to their development.

In most cases where significant building work is being undertaken, it is expected that water reuse techniques will be incorporated. If this is not proposed, the reasons for not doing so should be set out in the Design and Access statement.

3. Planning applications

Since the policy requirement is tied to national standards in the Building Regulations and BREEAM, the process for providing the necessary information to support a planning application is relatively straightforward.

3.1 Pre application discussions

Water efficiency will be one of the policy requirements to be discussed by development management planners and developers from the earliest stages of the design and planning application process. Early consideration will reduce associated costs.

3.2 Submitting planning applications

Residential development: Reference to the requirement for the housing development to comply with the regulation 36 2(b) for water efficiency, and how this will be addressed, should be incorporated in the Design and Access Statement which supports the planning application.

Non residential development: The Design and Access Statement must include either:

- the BREEAM design stage water assessment (see appendix 2 for further detail). Commentary with the assessments should show how the development has maximised water efficiency, achieving as close to the "exemplary" standard as possible. This should be clearly set out in the Design and Access Statement. Due to economies of scale, large scale developments in particular should be able to achieve the highest standards.
- or; an assessment, covering both water consuming components and greywater or rainwater systems, showing how water efficiency has been maximised. Clear reasons must given in the Design and Access Statement stating why the submitted approach has been favoured.

3.3 Assessing planning applications

For all residential development, regulation 36 2(b) for water efficiency of the Building Regulations will be applied.

For non residential development, the content of the Design and Access statement in relation to water efficiency (including any submitted accredited BREEAM assessment) will be assessed.

3.4 Conditions

Standard water conditions will be applied to relevant planning permissions. These are to ensure that the appropriate levels for water efficiency have been achieved and where applicable, will require that a BREEAM assessment is made on completion of development, prior to occupation. The standard conditions are in appendix 1.

3.5 Long term maintenance

It will be important that developers inform residents and other users of their developments of both the advantages of the installed water efficiency devices and systems and of any issues related to long term maintenance.

Appendix 1 Standard water conditions

1) For housing

The development hereby approved shall be designed and built to meet the regulation 36 2(b) requirement of 110 litres/person/day water efficiency set out in part G2 of the 2015 Building Regulations for water usage. No occupation of [any of] the dwelling[s] shall take place until a Building Regulations assessment confirms that the development has been constructed in accordance with regulation 36 2(b) of part G2 of the Building Regulations for water efficiency and has been submitted to and agreed in writing by the local planning authority.

REASON: To ensure the development is constructed to an appropriate standard in accordance with Policy 3 and 20 of the adopted Joint Core Strategy 2011

2) For non-residential schemes

2.1 Including a BREEAM assessment:

No occupation of [any of] the development shall take place until an accredited Post Construction stage BREEAM assessment which confirms that the development has been constructed in accordance with the BREEAM score for water usage required in the planning permission has been submitted to and agreed in writing by the local planning authority.

REASON: To ensure the development is constructed to an appropriate standard in accordance with Policy 3 and 20 of the adopted Joint Core Strategy 2011

2.2 Not including a BREEAM assessment

No development shall take place until details of water conservation measures designed to maximise water conservation have been submitted to and agreed in writing by the local planning authority. No use of the development hereby approved shall take place until the agreed measures have been installed and brought into use and such measures shall be permanently retained.

REASON: To ensure the development is constructed to an appropriate standard in accordance with Policy 3 and 20 of the adopted Joint Core Strategy 2011

3) Mixed use schemes require both

Appendix 2 BREEAM Assessments for non- domestic buildings

As part of a BREEAM assessment, a score (ranging from 1 to 5, with a higher "exemplary" score) is given for water efficiency using the BREEAM Wat 01 water consumption calculator. The water consumption (litres/person/day) for the assessed building is compared against a notional baseline performance and BREEAM credits awarded as follows:

% improvement	No. of BREEAM credits
12.5%	1
25%	2
40%	3
50%	4
55%	5
65%	Exemplary performance

When submitting applications for non domestic buildings, developers using BREEAM assessments will need to supply Design Stage BREEAM assessments as part of their Design and Access Statements. These must contain the following:

- 1. Completed copy of the BREEAM Wat 01 calculator
- 2. Relevant section/clauses of the building specification/ design drawings confirming technical details of;
- Sanitary components
- Rainwater and greywater collection system

OR where detailed documentary evidence is not available at this stage;

- 1. Completed BREEAM Wat 01 calculator
- 2. A letter of instruction to a contractor/supplier or a formal letter from the developer giving a specific undertaking, providing sufficient information to allow the water calculations to be completed.

Appendix 3 The need for water efficient development in the area

Since water resource and quality issues do not affect all parts of the country equally, there is no national approach to increase water efficiency in development beyond the standard building regulations requirements of new dwellings being built to use no more than 125 litres of water per person per day.

Higher standards can be required where a local plan policy is in place which has been subject to independent examination showing the need for such a policy approach.

The greater Norwich area experiences low rainfall and suffers from water stress. A detailed Water Cycle Study was undertaken as part of the evidence base for the Joint Core Strategy (JCS). This showed that the housing and economic growth needs of the area required water efficient new development. This is mainly due to the need to address water quality issues in internationally protected habitats in the Broads and the Wensum. Therefore a progressive water efficiency policy, which received broad support at examination, was introduced through the JCS. The updated approach set out in this advice note maintains an emphasis on the need for water efficiency in new development in the area, though the most demanding requirements for very large housing sites can no longer be implemented.

In addition to emphasising the need for new development to be water efficient, Anglian Water is working to increase the water efficiency of existing development. This is being done primarily through increased metering, as promoted by the <u>Water Resources</u> <u>Management Plan 2014</u> and related water efficiency <u>campaigns</u>.

Norwich Local Plan Information Note – Internal Space Standards

This information note reflects post adoption changes to national policy as a result of the housing standards review and the subsequent <u>ministerial statement</u> of March 2015 which affect the implementation of policy DM2 - Amenity. It should be read alongside existing local plan policy and text.

From October 1st 2015, table 1 below, the new national standard for internal space from "<u>Technical housing standards - nationally described space standard</u>", replaces the local internal space standard in the table below paragraph 2.4 on page 33 of this plan, which no longer applies. The standard in table 1 below is the nearest equivalent new national technical standard to the indicative local standard. The national standard includes a greater range of sizes of property and separates out storage requirements.

Number of bedrooms(b)	Number of bed spaces (persons)	1 storey dwellings	2 storey dwellings	3 storey dwellings	Built-in storage
	1p	39 (37) ²			1.0
1b	2р	50	58		1.5
	3р	61	70		
2b	4p	70	79		2.0
	4p	74	84	90	
3b	5p	86	93	99	2.5
	<u>6</u> р	95	102	1 <mark>0</mark> 8	
	5р	90	97	103	
	6p	99	106	112	
4b	7р	108	115	121	3.0
	<mark>8</mark> p	117	124	130	
	6p	103	110	116	
5b	7р	112	119	125	3.5
	<mark>8</mark> p	121	128	134	
	7р	116	123	129	
6b	8p	125	132	138	4.0

Table 1 - Minimum gross internal floor areas and storage (m²)

² Where a one person flat has a shower room rather than a bathroom, the floor area may be reduced from 39m² to 37m².

The national standard does not cover requirements for external space (e.g. for refuse storage); consequently Appendix 3 continues to apply.

Justification

The final sentence of paragraph 2.4 of this plan states that the indicative space standards will be used for guidance until they are superseded by national standards. The <u>ministerial statement</u> of March 2015 states that from 1 October 2015 existing Local Plan policies relating to internal space should be interpreted by reference to the nearest equivalent new national technical standard.

Addition to page 33 (in bold text)

2.4 Institute of British Architects (RIBA) in September 2011 ("The Case for Space") proposes a range of minimum standards largely analogous to these. Development in the majority of cases can reasonably be expected to achieve these standards in Norwich but there may be some scope to relax them on a case by case basis if there are exceptional conservation or regeneration benefits. The standards below will be used for guidance until such time as they are superseded by national space standards.

	Dwelling type (bedroom/persons)	Indicative minimum gross internal area
		(GIA) (sq.m)
Single storey	1p	37
dwelling	1b2p	50
	2b3p	61
	2b4p	70
	3b4p	74
	3b5p	86
	4b6p	99
Two storey	2b3p	71
dwelling	2b4p	83
	3b5p	96
	4b6p	107
Three storey	3b5p	102
dwelling	4b6p	113

This table no longer applies. It is replaced by the new national standard. Please see the information note on page 34a.

2.5 Outdoor space around new homes may be provided as private gardens or as communal amenity space. It should, however, be integral to the overall design of the development. Where residential balconies are accepted as part of high density development proposals, this may contribute towards the overall provision of external amenity space.

Norwich Local Plan information note - Accessible and Adaptable dwellings standards

This information note reflects post adoption changes to national policy as a result of the housing standards review and the subsequent <u>ministerial statement</u> of March 2015 which affect the implementation of policy DM12 – Principles for all residential development.

From October 1st 2015, <u>Building Regulations M4(2)</u> for accessible and adaptable dwellings replaces the Lifetime Homes standard. The requirement in clause f) of policy DM12 of this plan is for 10% of homes on major housing developments of 10 dwellings or more to be built to the Lifetime Homes standard, **or equivalent**. The Lifetime Homes requirement is replaced by Building Regulation M4(2), which is the nearest equivalent new national technical standard to the Lifetimes Homes standard.

Justification

The <u>ministerial statement</u> of March 2015 states that "From 1 October 2015: Existing Local Plan policies relating to access and internal space should be interpreted by reference to the nearest equivalent new national technical standard".

The Building Regulations requirement M4(2) for accessible and adaptable dwellings is the nearest equivalent national technical standard to the Lifetime Homes standard required by policy DM12. Like Lifetime Homes, regulation M4(2) requires dwellings to be accessible, to meet differing needs, including for some elderly or disabled people, and to allow adaptation of the dwelling to meet the changing needs of the occupants over time.

Therefore, in order to continue to implement adopted policy DM12, 10% of homes on major housing developments of 10 dwellings or more must meet Building Regulations requirement M4(2) for accessible and adaptable dwellings.

Policy DM12 clause f) (page 96)

f) For all proposals involving the construction of 10 or more dwellings, at least 10% of those dwellings will be built to Lifetime Homes (or equivalent).

The Lifetime Homes requirement no longer applies. It is replaced by the equivalent standard in the Building Regulations, part M4(2). Please see information note on page 102.