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The Local Plan sets this out in more detail but the key elements of the vision that are of particular relevance to the Infrastructure Plan are summarised below.

- By 2035 around 5,285 new homes will have been built
- Around 24 per cent of this provision will be in the form of the new neighbourhood Forge Wood.
- Redeveloping and revitalising the Town Centre and further regeneration of the Manor Royal

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Appendix 1: Key Infrastructure



WASTE WATER INFRASTRUCTURE

<p>Current Provision</p>	<ul style="list-style-type: none"> • Provided by Thames Water • Waste water is treated at Crawley Waste Water Treatment Works
<p>Evidence Base</p>	<ul style="list-style-type: none"> • Thames Water Asset Management Plan 6 (2015-20) • Thames Water Draft 5 year plan 2020-2025 (AMP7) (subject to agreement by Ofwat) • Revised draft Water Resources Management Plan 2019 (2018) • Water Cycle Scoping Study 2010 • Water Cycle Outline Study 2011 • Water Cycle Update Study 2013 • At Crawley Study 2009 • Position Statements 2014
<p>Current Findings</p>	<ul style="list-style-type: none"> • Though there is no justification for immediate upgrades, we undertake regular reviews of actual and forecasted growth (driven through the local plan) and assess how the works is performing. If large strategic developments deliver earlier than what is forecasted that may change our view of when upgrades are needed. Hence further clarity on the phasing of developments is required to understand the magnitude of upgrades needed at Crawley STWs to ensure they are delivered in a timely manner. This is particularly relevant with regard to continued development within the North East Sector. • The ability of the existing Crawley WwTW site to accommodate further expansion may be possible, subject to technological requirements, the availability of land and consent permissions being granted by the Environment Agency. • Land availability at Crawley WwTW is reaching its limit and it may be necessary to extend beyond the site boundary. However, as technologies are changing all the time it may be able to accommodate upgrades which require a smaller footprint. • The requirement for an additional facility will be dependent on various factors include housing forecasts and changes in technology for the treatment of waste water and trade flows. • Outline Study also recommends that developers of 10 or more dwellings should as part of any Water Sustainability and Drainage Assessment demonstrate that the sewerage provider has been contacted to determine if capacity exists offsite for foul and surface water provision. Where capacity off-site is not available, developers should ensure that all necessary permits are be applied for early in the development process and all permits granted and the required infrastructure and connections built prior to developments' occupation. • The study also concluded that there were no environmental constraints to development. It is however acknowledged that the Environment Agency may in the future wish to tighten existing discharge consents if Water Framework Directive (water quality) requirements are to be met. • The 2013 Water Cycle Update Study confirms that the housing growth being considered up to 2021 could be accommodated by the WwTW. Although this is less than the original 7,000 dwellings considered in the original outline study, it also takes into account planned strategic development adjoining Crawley.

ELECTRICITY

Current Provision

- Transmission Network operated by the National Grid.
- Distribution Network operated by UK Power Networks.
- Served via main transformer at Three Bridges and substations at Southgate West and Crawley Business Quarter.

Evidence Base

- Position Statements 2018-2013
- UK Power Networks –

GAS

Current Provision	<ul style="list-style-type: none"> • Supply provided by Southern Gas Networks part of the Scotia Gas Networks company. • Whole of Borough served via pressure reducing stations from the medium pressure national grid network.
Evidence Base	<ul style="list-style-type: none"> • Position statements (2008-2013) • At Crawley Study 2009 • RIIO-GD1 Price Control Review Business Plan Submission (2011) • Long Term Development Statement 2018: Network Capacity • Moving Forward Together: Our journey so far 2013-2018 (2018)
Current Findings	<ul style="list-style-type: none"> • Can provide gas supply to any location that may be required through reinforcing an existing network or creating a new network by extending their medium/intermediate pressure tiers. • Any reinforcements that are required can then be prepared, so that if the sites do become live through the connections process they have a contingency in place to deal with any capacity issues.
Future Studies and Plans	<ul style="list-style-type: none"> •
Phasing	<ul style="list-style-type: none"> • Phasing of reinforcement will take into account phasing for development of sites.
Funding	<ul style="list-style-type: none"> • Each project is analysed and costed on an individual basis. Costs and whether they are to be borne by the developer or supplier will be dependent on the scale and location of the site.
Summary	<ul style="list-style-type: none"> • Connections to supply can be made on a site by site basis along with any required reinforcement works.

DISTRICT ENERGY NETWORKS

Current Provision	<ul style="list-style-type: none"> Some decentralised energy (source) centres in place (e.g. Combined Heat and Power unit at K2 Crawley, and Biomass Boiler at Town Centre Library). Planning permission (ref CR/2018/0139/FUL) has been granted for an energy centre containing a gas-fuelled CHP unit as part of the wider Town Hall redevelopment scheme (planning ref CR/2017/0997/OUT). The energy centre will provide heat and power to a new civic centre/office building, residential developments on or adjacent to the Town Hall site, and other developments and existing buildings in the Town Centre.
Evidence Base	<ul style="list-style-type: none"> Low Carbon Energy Infrastructure: Crawley's Level of Involvement (2008) (<i>Energy Centre for Sustainable Communities</i>) Corporate Climate Change Strategy (2008) (<i>Crawley Borough Council</i>) Strategic Design Advice Report - Decentralised Energy Study (2011) (<i>hurleypalmerflatt</i>) West Sussex Energy Study (2013) (<i>AECOM</i>) K2 CHP Detailed Engineering Study (2013) (<i>Ramboll</i>) DCS/024 Cabinet Report - Update on the Sussex Energy Saving Partnership (2013) (<i>Crawley Borough Council</i>) BISEPS Re-Energise: Strategic Energy Opportunities (2018) (<i>West Sussex County Council with Manor Royal Business Improvement District</i>) Manor Royal Heat Network Study (2018) (<i>Ramboll</i>) Crawley Civic Centre DHN Concept Design Report (2018) (<i>Ramboll</i>)
Current Findings	<ul style="list-style-type: none"> Significant opportunity for the installation and efficient use of District Energy Networks in specific areas. District energy networks are a feasible and viable proposition in Crawley. Council has a strategic role to play to ensure networks are implemented.
Future Studies and Plans	<ul style="list-style-type: none"> A Design and Build contractor for the Town Centre District Heat Network has been appointed and is currently working on Stage 4 Design which will inform the final DHN design detail. The maintenance and billing contract is currently out to tender. A detailed heat network feasibility study has been undertaken in Manor Royal, and options for the most effective progression of opportunities are being explored.
Phasing	<ul style="list-style-type: none"> The Town Hall site Energy Centre is planned for completion during 2021. Phase 1 of the network will include the redeveloped Town Hall site, as well as neighbouring residential developments at the adjoining former Boulevard car park site and John Brackpool Court. Implementation of Manor Royal pipe network, energy centres and associated works from 2020 (subject to approval).
Funding	<ul style="list-style-type: none"> K2 leisure centre district energy network will initially be funded by Crawley Borough Council and public sector partners.

	<p>are excluded from mainstream education. There is a particular shortfall in provision for children with Social, Emotional and Mental Health needs (SEMH) and for children with Autism.</p> <ul style="list-style-type: none"> • The precise level of need generated by new development over the Local Plan period, and any excess need over and above that met by the interventions identified above, will depend on the mix and tenure of the dwellings delivered. WSCC will continue to assess predicted pupil numbers and discussions will continue with WSCC over the provision of additional primary and secondary places in the borough. • Youth, Adult Education and Further Education facilities may be required as the Crawley population increases although these elements of education are not led by WSCC.
Future Studies and Plans	<ul style="list-style-type: none"> • Annual updates to Planning School Places. • Further discussions and investigations to identify how additional capacity is to be provided.
Phasing	<ul style="list-style-type: none"> • The conditions and agreements for the development of the new neighbourhoods that form part of Crawley set out requirements for the timing of the provision of new primary schools.
Funding	<ul style="list-style-type: none"> • Financial contributions have been secured from the developers of the two new neighbourhoods that will form part of Crawley towards the provision of additional secondary school places within the town. • The provision of schools and additional school places will form part of the calculation of the Community Infrastructure Levy. • Additional funding sources will need to be considered.
Summary	<ul style="list-style-type: none"> • Additional provision at secondary school level is required to cater for anticipated levels of growth. • Discussions are currently taking place to provide additional forms of entry at existing secondary schools. • The establishment of Gatwick Free School in Manor Royal at primary and secondary level will be taken into account in assessing the number of additional places that need to be provided. • Further discussions are taking place with WSCC to develop the proposals for providing for additional school capacity, including the impact of any provision of secondary places in the North of Horsham. • Further discussions are required regarding the approach to meeting additional requirements for Special Educational Needs provision.

LIBRARY

Current Provision	<ul style="list-style-type: none"> • Major new library 2,800 m² in Crawley Town Centre opened in December 2008 • Facilities enhanced through S106 contributions from housing developments. • Local neighbourhood library in Broadfield.
Evidence Base	<ul style="list-style-type: none"> • Position Statement (2008-2014) • At Crawley Study 2009
Current Findings	<ul style="list-style-type: none"> • The proposals for a community building at Forge Wood currently include provision for a pick up / drop off library in library facility.
Future Studies and Plans	<ul style="list-style-type: none"> • No additional studies needed.
Phasing	<ul style="list-style-type: none"> • The pick up / drop off facility will be provided within the community building as part of the development of Forge Wood.
Funding	<ul style="list-style-type: none"> • The community building is being provided as part of the development of Forge Wood.
Summary	<ul style="list-style-type: none"> • Excellent existing provision. •

- The allocations in the plan will help meet the need for waste facilities generated by Crawley in the context of provision for the county as a whole.
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HEALTH

<p>Current Provision</p>	<ul style="list-style-type: none"> • 12 GP practices. • Bewbush Medical Centre, Bridge Medical Centre, Coachman’s Medical practice, Furnace Green Surgery. Gossops Green Surgery, Ifield Medical practice, Langley Corner Surgery, Leacroft Medical Practice (Langley Green) , Pound Hill Medical Group, Saxonbrook Medical Centre (Maidenbower and Northgate), Southgate Medical Group, Woodlands and Clerklands (Tilgate and Horley). • In line with the NHS Long term Plan, Crawley has developed into 3 Primary Care Networks (PCNs): Crawley PCN (Bridge, Langley Corner, Leacroft and Southgate) Crawley Care Collaborative (Ifield, Furnace Green, Pound Hill and Woodlands and Clerklands) South Crawley PCN (Bewbush, Coachmans, Gossops Green and Saxonbrook) • Crawley Hospital includes an Urgent Treatment Centre, a variety of Outpatient and Day Surgery services and has 74 beds. • A&E, and acute services are provided at East Surrey Hospital in Redhill by Surrey and Sussex Healthcare NHS Trust. • Improved Access Service (IAS) provides 66 hours of additional GP and nurse appointments, from 5 hubs across Crawley, up to 8pm weekdays and at weekends and bank holidays.
<p>New Developments</p>	<ul style="list-style-type: none"> • PCNs form the bedrock of the new national strategy to increase resilience in Primary Care, strengthen collaboration between practices and form the basis for offering a range of enhanced services at network level for the population of a network which complement and enhance primary care provision, such as Musculo-skeletal services, clinical pharmacy and other services which cannot always easily be developed at a single practice level. • From 2019, the CCGs have started to commission an Improved Access Service (IAS) covering all Crawley GP practices provides 66 hours of additional GP and nurse appointments, from 5 hubs across Crawley, up to 8pm weekdays and at weekends and bank holidays. This is an important development as it increases available appointment capacity across all GP practices, thereby enabling them to see more patients.
<p>Evidence Base</p>	<ul style="list-style-type: none"> • GP Forward View • NHS Long term Plan • Sussex and East Surrey Sustainability and Transformation Partnership: North Place Business Plan 2019/20 • Sussex and East Surrey Sustainability and Transformation Partnership: Transition Year Business Operating Plan 2019-20
<p>Current Findings</p>	<ul style="list-style-type: none"> • Crawley Hospital has the capacity to provide more services and is underused. • 8 out of 12 practices in Crawley have capped lists, hence the majority of patients who would like to register need to be allocated a GP practice through NHS England • Capping is due to the population increase associated with new housing developments, lack of available doctors and nurses locally and some restrictions to premises • Crawley Member practices are commissioned by NHS England, it is the only CCG locally who has voted against delegation

POLICE

Current Provision

- Crawley forms part of West division of Sussex Police
- Staff (officer & support staff) delivering policing to the borough of Crawley include 250 police officers and 170 support staff.
- Vehicles delivering policing to the borough of Crawley include 30 divisional vehicles and 33 force-wide (l)2.6 (v)8.9 (ehi)2.6 (c)-2 (ln.6

FIRE

Current Provision

- Part of West Sussex Fire & Rescue Service
- Fire Station located on edge of town centre on Ifield Avenue
- 5 bay fire station with 2 water tenders, 1 heavy rescue tender and a four wheel drive vehicle

Evidence Base

- Annual Report 2017-2018
- Statement of Assurance 2017-2018
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CEMETERY AND CREMATORIUM

Current Provision	<ul style="list-style-type: none"> • Snell Hatch cemetery in West Green covers an area of 3.5 hectares • Little Trees cemetery opened on a 4.8 hectare site in October 2017. • Surrey and Sussex Crematorium is located on Balcombe Road.
Evidence Base	<ul style="list-style-type: none"> • Cabinet Report 13 November 2013 New Crawley Cemetery – provision of Burial Services • Cabinet Report 3 December 2014 New Cemetery, Little Trees, Tollgate Hill, Crawley
Current Findings	<ul style="list-style-type: none"> • The Muslim section of Snell Hatch cemetery was predicted to have reached capacity by around April 2014. • Other areas of the cemetery are also nearing capacity. • The Council agreed in November 2013, a small extension at the cemetery which would create an additional 86 spaces for Muslim burials. • This would allow the cemetery to remain open to all sections of the community until the end of 2017. • As of December 2017 it was estimated that the Little Trees site was capable of providing up to 50 years' burial capacity for Crawley. • Surrey and Sussex Crematorium was operating at about 50% capacity as of spring 2019
Future Studies and Plans	<ul style="list-style-type: none"> •
Phasing	<ul style="list-style-type: none"> •
Funding	<ul style="list-style-type: none"> •
Summary	<ul style="list-style-type: none"> • Cemetery and crematorium provision is considered sufficient to meet the development planned during the period 2020-35.

AMBULANCE

Current Provision

- Service provided by South East Coast Ambulance Service (SECAMB)
- SECAMB HQ and Emergency Operations Centre opened at Nexus House on Gatwick Road in 2017
- Faraday Road base opened in 2016 includes Make Ready Centre (MRC) and supports one of (t)-6.6 pi C Bfncil 8.12 Tm(00.00n77 T

potential surplus sites which could be used for other types of

COMMUNITY FACILITIES

Current Provision	<ul style="list-style-type: none"> • A Community Centre is provided within each neighbourhood in the town. • Enhanced facilities recently constructed at Bewbush and Langley Green.
Evidence Base	<ul style="list-style-type: none"> •
Current Findings	<ul style="list-style-type: none"> • Existing community centres are able to meet needs of neighbourhoods. • Community Building being provided by developers as part of the Forge Wood development.
Future Studies and Plans	<ul style="list-style-type: none"> • The council is commissioning a Town Centre Facilities study to consider demand and supply of community facilities to support the growing population in the town centre.
Phasing	<ul style="list-style-type: none"> • Conditions related to the Forge Wood development require provision of a community building.
Funding	<ul style="list-style-type: none"> • The Community building in Forge Wood is being funded by the development.
Summary	<ul style="list-style-type: none"> • Crawley has a significant number of community centres. • Any new neighbourhoods would require the provision of a community centre as part of the neighbourhood facilities. • The implications of an increased residential population in the Town Centre are to be considered.

GREEN INFRASTRUCTURE

<p>Current Provision</p>	<ul style="list-style-type: none"> • Approx 26% of Crawley’s area is designated as countryside. • 330ha Site of Nature Conservation Importance. • 23ha local nature reserve. • 33ha AONB, 193ha ancient woodland. • Formal parks and gardens include Tilgate Park, Goffs Park, Memorial Gardens, Broadfield Park, Worth Park and Grattons Park. • Significant amounts of structural landscaping and tree cover. • Small streams; mainly culverted. • A network of public rights of way.
<p>Evidence Base</p>	<ul style="list-style-type: none"> • Designations with supporting evidence such as Conservation Areas/Sites of Nature Conservation Importance, Landscape Character Assessment (CBC 2012), Built-Up Area Boundary Review (CBC 2012). • Green Infrastructure Assets and Opportunities (CBC 2014) • Public Rights of Way Improvement Plan (WSCC) • Green Infrastructure Topic Paper (CBC 2014) • Green Infrastructure Supplementary Planning Document (CBC 2016) • High Weald AONB Management Plan 2019-2024 (2019)
<p>Current Findings</p>	<ul style="list-style-type: none"> • There is currently a lack of integration between types of green infrastructure. Linking, protecting and enhancing valued green infrastructure for people and wildlife is needed to prevent biodiversity loss and the erosion of recreational opportunities for people. • Existing evidence and consultation will be used to identify a green infrastructure network and opportunities/projects to enhancement GI.
<p>Future Studies and Plans</p>	<ul style="list-style-type: none"> • Updates to existing evidence base identifying needs and opportunities.-

TRANSPORT - RAIL

Current Provision	<ul style="list-style-type: none"> • Four rail stations - Three Bridges and Gatwick on Brighton Main Line. Crawley and Ifield on Arun Valley Line. • Frequent services between London, Brighton, Horsham, Chichester and Portsmouth.
Evidence Base	<ul style="list-style-type: none"> • Network Rail London and South East Market Study (2013) • Position statement 2014 • Network Rail South East Route: Sussex Area Route Study (2015) • Network Rail Route Specifications 2016 South East (2016) • Network Rail Delivery Plan for Control Period 6 (2019-24) • Network Rail Strategic Business Plan for 2019-24 (2019)
Current Findings	<ul style="list-style-type: none"> • Refurbishment of Gatwick Station and provision of additional platform completed 2014. • Significant demand for parking at Three Bridges Station. • Network Rail has undertaken improvements to passenger facilities at Three Bridges. • Significant improvements in relation to disabled access are likely to be necessary. • The Network Rail Croydon Area Remodelling Scheme (CARS), which includes improvements to junctions in the ‘Selhurst Triangle’ – this includes Windmill Bridge Junction - north of East

	<ul style="list-style-type: none">• Station improvements schemes included within the Growth Programme are to be funded by a combination of public and private sources, including the Coast to Capital LEP, developer contributions, West Sussex County Council and Crawley Borough Council.
Summary	<ul style="list-style-type: none">• Crawley has good rail connections through a number of stations.• Improvements to station facilities taking place.

<p>Future Studies and Plans</p>	<ul style="list-style-type: none"> • Transport Assessment identified a number of junctions that perform significantly worse as a result of development proposed in the Local Plan, although not over capacity and would require mitigation. <ul style="list-style-type: none"> - Crawley Avenue and Ifield Avenue - A23 London Road/Manor Royal - Crawley Avenue, Northgate Avenue, Hazelwick Avenue - Crawley Avenue/Balcombe Road - M23 Junction 9, north bound slip road • Transport assessment has identified remedial interventions involving part signalisation or limited widening of approaches to junctions. • Existing capacity issues on roads within Crawley will potentially be exacerbated due to the cumulative impact of additional major development which is being promoted to the west of Crawley, and the significant growth in passenger numbers which is anticipated in Gatwick Airport's draft Master plan. • An updated Transport Assessment will be required to assess the impact on the strategic and local highway network of the development proposed during the period covered by the updated Local Plan. • The updated Local Plan identifies a corridor of land within Crawley for safeguarding to potentially form part of a full Western Link Road connecting the A23 with the A264 in Horsham District to the west, to address existing congestion and additional anticipated growth. .
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TRANSPORT – WALKING AND CYCLING

Current Provision

- Around 20 km of off road cycle paths.
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TRANSPORT –

Funding	<ul style="list-style-type: none">• The Crawley Area Transport Package is identified in the Coast to Capital Local Enterprise Partnership (C2C LEP)'s Strategic Economic Plan (SEP) as a key package of schemes that will implement transport improvements.• Bus services to new neighbourhoods will need to operate on a commercial basis.• May require subsidy from developers in early years when occupancy of new development is small.
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ADULT SOCIAL CARE