

London Environment Strategy Objective Reference	Key action – local policy or waste contract commitment	Key actions – core service provision	Key actions – behaviour change activities	Expected impact towards achieving local targets	Key milestones (including progress updates)
7.1 Drive resource efficiency to cut waste					
	The North London Waste Authority Waste Prevention Plan	The North London Waste Authority waste prevention plan is approved on a rolling 2-yearly basis and the current plan runs from April 2018 to March 2020. A summary of this can be found at http://nlwa.gov.uk/media/2534/2565163-prevention-summary-2018_final_web.pdf . The NLWA Waste Minimisation Team coordinate closely with relevant activities in the Authority's constituent Borough's and quarterly meetings are held more widely with local government in London and more widely with Resource London and the GLA. As the plan is approved alongside the Authority's annual budget the resources allocated to the plan is confirmed in the first year and then must be approved as part of the wider budget setting process in year 2. With regards to the current 2018-2020 plan, the budget agreed for 18/19 was £480k and £500k in 2020.	The priority waste streams in the current plan are: Food - includes extensive outreach activity, Waste Less, Lunch Free events, themed food waste events and broad promotion of food waste messages. Bulky waste (furniture and WEEE) - activities include community exchange events, the London Upcycling show, repair cafes and work with existing exchange networks and the third sector. Textiles (clothing and non-clothing) - including reuse and repair events, working with local textile re-use organisations where appropriate, and the promotion of the Authority's textile pack. In terms of engagement with the relevant Mayoral and Resource London programmes the current position is as follows: Mayor's project to reduce single use bottles; Recycle for London; Love Food Hate Waste; Love Your Clothes; Trifocal.	It was estimated that through the two-year waste prevention programme, approximately 10,000 (20,000 for 2018-20) tonnes of waste per year will be diverted from disposal, representing 1.2% of 2016/17's waste arisings. For Enfield this equates to an estimated 1400 tonnes diversion. The evaluation regime is consistent with that outlined in 'Pre-waste', an EU-funded project designed to improve the effectiveness of waste prevention policies in EU territories.	The current waste prevention plan runs until 2020; this will be replaced with a new plan to continue waste reduction activities until 2022.
	Plans to adopt a new collection service 2019/20	New alternate weekly kerbside collection service for residual waste and recycling. Residual waste will be restricted to a 140litre bin collected every two weeks.	Waste minimisation communications and waste education will be paramount to the success of this service implementation. A full communications plan and activity schedule will be drafted and implemented. A budget of £120k has been agreed for 2019/20 followed by a subsequent £100k budget in 2020/21. Love Food Hate Waste campaigns will continue, with joint working with Resource London, carrying out food waste demonstrations and events within Enfield. Partnership with real nappies for London will be established to assist in the promotion of reusable nappies.	It is expected that residual household waste will reduce by 31.9% by 2022	Waste minimisation messaging will continue from Spring 2019, continuing throughout the year. The alternate weekly collection change is planned for Spring 2020. It is expected that waste minimisation will continue through 2020/21.
	RRC Contract - Revive Reuse Shop	To fully establish the potential of the Revive Reuse Shop located that the Barrowell Green RRC. Sales increased by 120% in 2018/19 due to investment into promotion and communication.	Targeted promotion and communication proved fruitful and it is hoped that continued support from the commercialisation team within Enfield will allow the shop to reach it's potential. Space limitations within the site need to be considered. Online selling will allow increased turn over and ultimate diversion.	Diversion via the Revive reuse shop will contribute to increasing our recycling rate; the exact impact has not been modelled.	April 2019 marks a new financial year, whereby a full fiscal year of the shop can be measured with the true impact being seen in 2020/21. Online selling is the next phase of this project; expected go live Summer 2019.

	Home composting	<p>Enfield works with Straight Plc, and Get Composting to offer discounts to residents that wish to take up composting at home.</p> <p>Work towards community composting is continuing with composters and advice being given to community groups, such as the Alevi Foundation, Halsbury. In addition, Christmas tree recycling points are provided over the festive season within open spaces and parks; this material is composted.</p>	<p>Information on composting at home is available on our website, and via the NLWA, wise up to waste web pages; plus can be delivered in person. Further to the existing support, in line with our chargeable garden waste service due to begin in November 2019; home compost bins will be provided to eligible residents free of charge; along with the promotion of alternatives to the kerbside collection.</p>	<p>These activities will contribute towards increasing our recycling rate; the exact impact has not been modelled.</p>	<p>Continued promotion, with additional resource focusing on home composting and alternatives from Summer 2019.</p>
	Circular Economy	<p>Circular economy practices are gradually increasing within Enfield. Our Revive Reuse Shop, aims to increase reuse; in addition to our work with the NLWA around single use plastics. Enfield have also adopted a responsible procurement strategy.</p>	<p>An exercise with businesses in Southgate to focus on single use plastics is planned, this could be adopted borough wide if successful. The exercise involves approaching local businesses and requesting that they sign a charter of commitment to reduce the single use plastic they produce, with the aim of creating single use plastic free areas/zones. Communication materials and support will be given; this initiative is in conjunction with the NLWA. Circular economy thinking has been adopted for future procurement and purchasing.</p>	<p>These activities will contribute towards increasing our recycling rate; the exact impact has not been modelled.</p>	<p>Single use plastics exercise to be carried out in Summer 2019.</p>

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7.2 – Maximise recycling rates	Plans to adopt a new collection service 2019/20	Kerbside services: Enfield's new waste and recycling collection service will provide the minimum level of service to all properties, including separate food waste collections to kerbside properties. The six main dry recyclable items are already captured through the existing service. The introduction of alternate weekly residual waste and recycling aims to maximise recyclable materials collected at the kerbside and increase the recycling rate.	As part of the service change, a full communications campaign to educate and inform will be actioned; along side business as usual recycling information to ensure that recycle quality is maximised and participation in the scheme is high.	To achieve 49.55% recycling by 2020/21.	Begin service change communications and education Summer 2019. The introduction of separate food waste collections to 90,000 kerbside properties from November 2019. Followed by alternate weekly collections for residual waste and recycling in Spring 2020.
	Additional recycling capacity at the kerbside	In line with the above service change, all kerbside properties will be offered a larger 240 litre recycling bin; along with council issued clear plastic recycling sacks; flattened cardboard can also be placed next to the recycling bin to allow for additional capacity.	This element of the new service will be widely communicated in line with waste minimisation messaging - resident's will be actively encouraged to recycle as much as possible, as easily as possible.	To achieve 49.55% recycling by 2020/21.	Alternate weekly collections for residual waste and recycling will be introduced in Spring 2020; 240 litre bins will be issued along side the plastic recycling sacks as part of this service implementation.
	Diverting Bulky waste from EfW	An amount of bulky type residual waste received at the Bulky Waste Recycling Facility at the Edmonton Eco Park is processed in a 'dirty MRF' facility to remove mixed paper and card, mixed plastics, other materials, scrap metal, rubble and wood from residual waste for recycling prior to the incineration of the remaining residual waste.	As a constituent borough of the North London Waste Authority, communications surrounding diverting readily recyclable items from EfW will continue.	These activities will contribute towards increasing our recycling rate; the exact impact has not been modelled.	To continue to monitor the performance of NLWA and London Energy from 2019.
	The collection of bulky waste	Enfield currently offers a paid for bulky waste service for bulky furniture and electrical waste.	A free collection service for electrical items via Clearabee and a free service for furniture via the British Heart Foundation is advertised on our website. In addition to this the Revive Reuse Shop at Barrowell Green RRC is actively diverting bulky waste items for reuse.	Continued promotion of these services aims to contribute towards increasing our recycling rate; alongside investigation into further diversion via reuse. The exact impact has not been modelled.	Bulky waste services to be communicated and maximised in line with the planned service change in Spring 2020.
	Barrowell Green RRC	This site is operated by Suez, and together planning will commence with regards to expanding the acceptance of some hazardous waste items, such as gas bottles, fire extinguishers and paint. Recycling performance is currently around 63%-65%; further planning will take place to investigate maximising the recycling potential at this site.	Communications will be scheduled via social media and e-newsletters to advise users of the recycling centre to separate their waste for recycling, and ensure awareness of the items that can be recycled.	To achieve a consistent 65% minimum recycling rate at the site for 2019/20.	Quarterly reviews from April 2019 of recycling trends and performance; comparison with previous years.
	Contamination	To target contamination within the dry recycling stream for kerbside and flatted properties. Our current MRF contractor is Biffa, Edmonton. Process contamination rates range from 9-11% on average.	Alongside service change communications, communications on correct recycling will be published. Targeted communications in problematic areas such as flatted properties are planned; working with Enfield Homes, and local managing agents.	To consistently achieve process contamination rates of 9-11%.	Contract meetings are planned in April 2019, followed by initial contamination messaging in Summer 2019; targeted messaging will follow.

	Flatted properties	Within Enfield 12% of properties do not receive collections of the six main dry recyclable materials. These properties are predominantly composite hereditaments (flats above shops); these properties provide challenges with regards to collections and access, as well as recycling participation. A number of these properties receive blue sacks, on a opt in arrangement. This opt in arrangement allows quality to be managed, as well as successful collections, and restricts the potential environmental nuisances that can present themselves in these situation such as fly tipping.	Enfield will be creating a waste strategy for flatted properties; this strategy will aim to address the challenges that waste and recycling in flatted properties pose, along with actions planned to expand and improve recycling in flats. This will include food recycling in flats. All future improvements will adopt the good practices and recommendations from the Resource London and Peabody flats recycling project.	These activities will contribute towards increasing our recycling rate; the exact impact has not been modelled.	The waste and recycling strategy for flats to be drafted in 2020/21
	Waste provision for new developments	Enfield currently comments on planning applications with regards to waste and recycling provision. In addition to this guidance for architects and developers was reviewed and updated in April 2019. This details minimum standards for waste and recycling provision and will be expanded to include food recycling in Autumn 2019.	For larger developments, such as the Meridian Water Project, which plans to develop over 10,000 properties near Edmonton; innovative waste solutions are being investigated. This will include both commercial and household waste.	To ensure that all new developments have adequate waste provision and to ensure long term sustainability.	Continued commentary and future involvement in the Meridian Water site, 2019/20. This document will be reviewed in late 2019/early 2020 following the final report of the Resource London flats project; any key findings can then be reflected in our guidance.
	Other Recycling	Enfield currently accepts beverage cartons for collection at the kerbside; further investigation into providing community battery and small electrical collections is ongoing; as well as a review of our kerbside textiles collection via Traid.	Dependant on the outcome of our investigations, further promotion will take place in line with our new service changes to create a comprehensive recycling guide for residents.	These activities will contribute towards increasing our recycling rate; the exact impact has not been modelled.	Investigations to begin in 2019, followed by communications in 2020.
	Non-household recycling collections	Enfield currently operates a commercial waste and recycling service. This includes collecting paper and cardboard from schools.	In the current climate, finding a competitive off taker for recycling is difficult. Many local companies are unwilling to take our recyclable material at a reasonable price, as this would undermine their own commercial collection services. However work will take place during 2019/20 to explore viable options; plus introduce food waste collections for schools.	These activities will contribute towards increasing our LACW recycling rate; the exact impact has not been modelled.	Work will take place to find a viable off taker for our commercial recyclable material in 2019/20; if successful, work will take place to increase our customer base for commercial recycling collections. Following the introduction of food waste to all kerbside properties, expanding to schools will follow in 2020/21.

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7.3 – Reducing environmental impact	Plan to continue to procure and operate Euro VI vehicles throughout the waste and recycling operation; and Enfield Council fleet.	90% of the waste and recycling fleet are ULEZ compliant. All new vehicles procured will be ULEZ compliant. 96% of total fleet is ULEZ compliant.	Enfield will continue to strive towards 100% ULEZ compliant fleet; a central fleet department for the entire authority allows for streamlined fleet and purchasing.	Total fleet compliance by 2020.	New food recycling vehicles procured and in operation by December 2019; replacement fleet vehicles to be procured late 2019, to achieve full compliance by 2020.
	Future van replacement	Exploring electric vehicle options for smaller fleet vehicles.	Promotion and communication of these new vehicles to the wider community and internal departments.	Trial of electric vans during 2019/20	The trialling of zero emission/electric vans Spring 2019.
	Trial of alternative fuels in diesel vehicles	<p>Enfield will trial the use of Shell GTL fuel. Shell GTL Fuel is an alternative fuel for use in diesel engines, which can lower local emissions (e.g. particulate matter, NOX, hydrocarbons and carbon monoxide).</p> <p>Shell GTL Fuel is virtually free of aromatics, poly-cyclic aromatics, olefins, sulphur, nitrogen and metals.</p> <p>The fuel is colourless and almost odourless and has a higher cetane number than conventional diesel.</p> <p>Shell GTL Fuel predominantly contains straight chain normal paraffins and branched iso-paraffins.</p> <p>Shell GTL Fuel meets all the specifications in the ASTM D975 diesel standard and all requirements of EN 590 diesel except density.</p>	Promotion and communication of the use of this new fuel to the wider community and knowledge share with other Local Authorities.	The overall change to this fuel will lower local NOX emissions by 15-20%.	The trial of this fuel to commence Summer 2019.

	NLWA commitment	<p>The vehicle fleet of the NLWA's current main waste transfer, treatment and disposal contractor, London Energy Ltd (LEL), and those of LEL's subcontractors are currently transitioning to ULEZ compliance. The use of ULEZ compliant vehicles is a condition of the NLWA's proposed new commingled dry recycling processing contracts which are to begin in December 2019. It is a requirement of the main waste contract with LEL to use Euro IV vehicles as a minimum. However, LEL have initiated a vehicle replacement programme to ensure vehicles have Euro VI engines in order to comply with the ULEZ. In addition to this LEL are now using electric vehicles for members of staff and have vehicle charging points at Edmonton using energy generated from the Energy from Waste (EfW) plant. The main waste contract ends in 2025 and any further stipulations on contractors to use alternative fuel will be considered as part of the new agreement or subsequent variations. In terms of minimising road vehicle movements within London the waste reception points available to the NLWA Boroughs reflect a good geographical spread within the NLWA area. Most of the residual waste hauled by road within the NLWA area is subject to thermal treatment at Edmonton Eco Park.</p>	Procurement activities will include the necessity of ULEZ compliance and alternative fuels.	LEL vehicle replacement programme has now commenced.	Full compliance will be achieved in 2020
	EPS ready reckoner - Carbon Impact	<p>The EPS ready reckoner highlighted a number of areas that are in need for improvement to make steps towards reducing our overall carbon impact with regards to waste and recycling collections. This includes a low yield of aluminium and textiles and a below average yield of steel and plastics, both of these were addressed in line with our new service changes. Commercial waste recycling is considered low, this again is being addressed.</p>	Modelling highlighted that our planned service changes decreased our tCOeq. per tonne of waste managed by 15.9%.	The model shows a positive direction of travel with regards to our carbon impact.	Service changes are planned from 2019/20

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7.4 Maximising local waste sites	To maximise the local waste sites within Enfield. Plus the contribution to the updated responsible procurement guidance document (2020 - 2023)	Enfield as part of the North London Waste Authority, deliver all residual waste to London Energy situated within the Borough. Our recyclables contractor, Biffa, again is situated within the borough. This contract is in place until 2023. Any future procurements will be undertaken in line with Enfield's responsible procurement guidelines (2020-2023) which aims to meet the Council's guiding principals, as detailed in the corporate plan; These guidelines reference building on the local economy.	Responsible procurement activities to be embedded corporately from 2020.	Contracts are currently procured in line with the principals of responsible procurement; along with adhering to the proximity principal.	On the expiration of contracts in 2020 (2023) the principals of responsible procurement will apply.
	Barrowell Green RRC	Barrowell Green RRC is the only RRC within Enfield. Improvements are planned for the site including pedestrianization. This site is operated by Suez, and together planning will commence with regards to expanding the acceptance of some hazardous waste items, such as gas bottles, fire extinguishers and paint. The City of London hazardous waste collection arrangement is already in place for Enfield resident's to use. This allows collection of hazardous items from the kerbside. Waste electrical and electronic equipment, automotive and non-automotive batteries, cooking oil and mineral oil are already accepted on site.	Continued communication of what is accepted at Barrowell Green RRC, along with updating website pages to ensure all relevant information is available to users.	Enfield will continue to operate Barrowell Green RRC in line with the current contract; and look to maximise usage and materials accepted within this.	On the expiration of the Suez contract in 2022, any new contract will focus on maximisation of the site; within the confines of the local infrastructure.
	NLWA commitment	Prior to 2012 the NLWA Boroughs operated the network of RRC's themselves to meet their obligations under Part 1 of the Refuse Disposal (Amenity) Act 1978. Upon repeal of this provision 5 of the Boroughs with RRC's transferred the operation of those sites to the NLWA on a leasehold basis with the Barrowell Green RRC being retained by Enfield and operated under contract by that Borough. There is no RRC in Hackney. All residents, including those from outside of the NLWA area, are free to use any of the 8 RRC's in the NLWA area which accept a wide range of materials. There are restrictions in place for access to sites by vans and on the quantities of soil and rubble that can be deposited. A further covered RRC will be developed by the NLWA as part of the wider redevelopment of the Edmonton Eco Park site.	Continued communication regarding the planning redevelopment of the Edmonton Eco Park site.	The Edmonton Eco Park site development aims to provide waste infrastructure for the NLWA, along with commercial customers. The project aims to maximise the site, including the new RRC for Enfield.	Approximate construction timetable: 2018 - procurement of contractors begins; 2019 - prepare the southern section of the site; 2020/21 - resource recovery facility and Eco Park House construction; 2022 - prepare the Northern section of the site; 2023/24 - Construction of the Energy Recovery Facility; 2025 - Energy recovery Facility commissioned; 2026/27 - Existing plant decommissioned and demolished; 2028 - final site works
	NLWA commitment	The seven North London Boroughs of Barnet, Camden, Enfield, Hackney, Haringey, Islington and Waltham Forest are working together to produce the North London Waste Plan (the 'NLWP') .	Communication between the NLWA boroughs.	The NLWP will ensure adequate provision of land for waste use in the area up to 2035 and provide policies against which waste planning applications will be assessed.	The proposed submission NLWP is currently being consulted upon until 12 April 2019 with adoption scheduled for Autumn 2020. The NLWP pools the apportionment targets set out in London Plan Policy S18