

# Draft Ultra-Low Emission Vehicle Action Plan 2019-2029

## CONSULTATION SUMMARY



**Closing date: 11 February 2019**

**Haringey**  
LONDON

# Foreword

I am proud to introduce Haringey's first Ultra-Low Emission Vehicle Action Plan. The Council are committed to improving the quality of life for all residents in the borough. Haringey are taking action to improve air quality, reduce noise pollution and greenhouse gas emissions, and promote public health. We are supporting the uptake of electric and other ultra-low emission vehicles in the borough. Climate change is a threat to all nations of the world. We have no alternative but to act now for the benefit of future generations. Having clean transport technologies enables us to do this.



We are promoting walking and cycling as our preferred transport choice, but some of our transport needs will only be delivered by vehicles. We want these vehicles to be the least polluting as possible. The Council has been working on supporting electric vehicle uptake for some years, responding to the local demand. In 2014, there were 94 electric vehicles in Haringey, in 2017 there were 225, and by 2020 we expect approximately 1000 electric vehicles in Haringey. To support these users the Council will soon have installed 38 standard charging points and 6 rapid charging points across the borough.

We want to implement and encourage innovative solutions to enable people and businesses to switch to this cleaner future. We are engaging with local businesses, developing Wood Green into a 'Neighbourhood of the Future', and working with academia and start-ups to show support for innovative solutions. Our aim is to ensure that the take up of this technology remains high across the community. This action plan sets the Council's policy position on ultra-low emission vehicles and will monitor our performance in delivering this.

Haringey is a vibrant and diverse borough. We have a wide array of communities, which means we have over 100 languages spoken in the borough. We are home to many LGBT people; 21 percent of our population is under 16 and 12 percent over 60; 14 percent are disabled people. Equality, diversity and inclusion is at the heart of what we do. We want to ensure everyone can be a part of this transition and that it is accessible to all in our community.

Together we can address the challenge of stopping climate change. The introduction of the inner London Ultra Low Emission Zone, the Mayor's targets for air quality, and the banning of all diesel and petrol sales post 2040 are part of making that change. We aim to break down the barriers to electric vehicle uptake and ensure residents and businesses are ready for a positive shift to clean transport. We owe it to our children and our children's children to take this action now.

I welcome your views on this action plan.

A handwritten signature in black ink, appearing to read 'Kirsten Hearn'.

**Councillor Kirsten Hearn**  
**Cabinet Member for Environment**

## WHY ARE WE CONSULTING?

This document is a summary document, which outlines the purpose of consultation and introduces the Ultra-Low Emission Vehicle (ULEV) Action Plan. It outlines objectives and specific actions to deliver our ambition, and next steps following consultation. If you would like to read the full action plan, which includes the policy background and actions in greater detail, this can be found at: [www.haringey.gov.uk/ULEVconsultation](http://www.haringey.gov.uk/ULEVconsultation).

This consultation process is to hear views and opinions on this action plan. The Council want to ensure that our approach is consistent with what our community in Haringey want. The Council also welcome comments from other government organisations and local authorities, charging infrastructure companies, and electric vehicle (EV) manufacturers and users. This is to ensure Haringey aligns with that of regional progress and understanding on EV growth and associated charging infrastructure.

## BACKGROUND

This action plan sets the vision and objectives to deliver Haringey's ULEV network for the next 10 years.

**Haringey's Transport Strategy 2018** is the overarching policy background to this action plan. Our Transport Strategy seeks to reduce private car use and to make walking, cycling, and the use of public transport a first choice for all. With this ambition, it has four outcomes in which it seeks to achieve. This action plan supports Outcome 3, which is 'an improved air quality and a reduction in carbon emissions from transport.' Therefore, where vehicles are still in use, the Council encourage them to be ultra-low emission.

### **Vision of the Ultra-Low Emission Vehicle Action Plan**

To facilitate the transition towards an ultra-low emission vehicle Haringey. Through providing infrastructure, education and advice, we will improve local air quality and deliver our climate change ambitions.

## OBJECTIVES

### **Objective 1:** Increase public awareness of ultra-low emission vehicles, their benefits and charging technology through public campaigns and education

Through previous engagement activities conducted by the Council, it has been observed that many people are willing to buy an EV, but there remain questions to be answered or myths to be busted. Having an open dialogue on EV technology, charging and how adopting an EV would differ to a diesel or petrol vehicle can help alleviate doubts people have. The Council has conducted a series of education and engagement events, including:

- ➔ Half-hour test drives (as part of Wood Green's Neighbourhoods of the Future scheme – [www.haringey.gov.uk/neighbourhoods-future-wood-green](http://www.haringey.gov.uk/neighbourhoods-future-wood-green)), allowing the local community to drive an EV with an expert;
- ➔ Month-long test drives for residents and businesses in Wood Green to gauge whether an EV is best suited to their needs;
- ➔ The use of a monitoring device, which fits into the cigarette lighter socket in a traditional combustion car. This device collects data on driving patterns and can therefore be used to recommend which EV is best suited to the user. This is available to businesses in Wood Green.

The Council wants to continue, and to expand, its educational activities to reach a wider range of people and businesses in the borough.

Please refer to page 23 of the full Ultra-Low Emission Vehicle Action Plan for more information on this objective and its actions.

#### Objective 1 actions

- |   |   |
|---|---|
| 1 | Create promotional material on ultra-low emission vehicles and disseminate across the borough.                      |
| 2 | Make residents aware of their nearest charging point.   |
| 3 | Host events open to the public to promote EVs.  |
| 4 | Issue a series of Planning Advice Notes for installing charging points for different user groups.                   |
| 5 | Lead a media campaign aimed at changing boating culture - share good practice to help boaters avoid diesel engines. |
| 6 | Raise awareness through our social media platforms and hold open sessions on the Ultra-Low Emission Zone.           |
| 7 | Lobby for a single universal connection for all vehicles.   |



## Objective 2: For the Council fleet to lead by example and have an all ultra-low emission fleet by 2030

The Council aims to lead by example and electrify its fleet, which encompasses a wide range of vehicles. The Council's fleet is currently undergoing a review in able to determine where EVs are best suited, and to what timescales this could be achieved.



The up-front cost of EVs is coming down, and by 2030, these could be cost-comparable to that of a traditional combustion vehicle. Furthermore, EVs are cheaper to run in the long-term, and this price parity could be achieved earlier as the up-front cost of the vehicle decreases. Therefore, electrifying the Council fleet could save the Council in running costs in the long term.

Please refer to page 25 of the full Ultra-Low Emission Vehicle Action Plan for more information on this objective and its actions.

### Objective 2 actions

8	Increase the number of electric, hydrogen, hybrid and cleaner vehicles in the boroughs' fleet.
9	Review the use of staff car club cars and investigate the viability of buying more.
10	Review Staff Travel Plan and staff travel payments to incentivise use of cleaner vehicles.
11	Increase the number of ULEVs in partner fleets through the procurement process.

## Objective 3: Collaboration with partners to ensure all commercial fleets operating in the borough use only ultra-low emission vehicles by 2040

Collaborating with partners will be important to encourage the public sector and private developers to provide EV charging infrastructure. This will help to phase out their diesel and petrol fleets and to adopt EVs instead. Vehicle sectors to collaborate with include:

### BUSES

Whilst buses operate separately to the Council, the Council can still work closely with bus fleet operators to ensure there is a smooth transition in the electrification of buses – in line with the Mayor of London's ambitions.

Transport for London (TfL) and bus operators are working closely to deliver electric buses and routes. There are currently seven routes in London that have electric buses.

Haringey hosts two of twelve Low Emission Bus Zones. From 2018, only hybrid or zero-emission double decker buses have been procured for these routes.

### TAXIS AND PRIVATE HIRE VEHICLES

In line with the Mayor of London's ambition to electrify the taxi fleet, the Council aims to work with TfL and taxi firms to identify strategic locations to deploy rapid charging infrastructure.

## CAR CLUBS

Car clubs provide an alternative to car ownership. The Council is working with car club companies to decrease the number of privately owned cars in the borough. Electric car club fleets serve the dual purpose of reducing transport emissions in the borough, through encouraging less cars on the road, and because they are electric.

The Council will give prioritisation for car clubs which operate ULEVs within their fleet in Haringey. Any new permits will prioritise ULEVs. Furthermore, when existing permits for fleets are up for renewal it is expected that fleet operators will increase the number of ULEVs within their fleet.



## SMEs AND COMMERCIAL FLEETS

The Council will work with businesses in Wood Green's Business Improvement District, Crouch End's Liveable Neighbourhood scheme, and make efforts with SMEs and larger businesses across the borough. The Council will also seek to install charging points on the Council's industrial land for the use of businesses.



## SERVICE STATIONS, MEANWHILE SPACES AND CAR PARKS

Utilising meanwhile spaces and implementing charging points provides a good alternative to off-street parking. This will provide an option for EV users as they can leave their cars parked overnight in a nearby carpark.

Service stations are increasingly installing charging points on their forecourts. The Council will support the planning process for installing charging points in service stations and private car parks.

Please refer to page 26 of the full Ultra-Low Emission Vehicle Action Plan for more information on this objective and its actions.



Picture sources: Autocar, 2018. Evening Standard, 2016, IBTimes, 2015, Wikipedia

### Objective 3 actions

- |    |   |
|----|---|
| 12 | Car clubs: Prescribe a timeline whereby any car clubs operating in the borough will have to have a percentage of their fleets ULEV. |
| 13 | Car clubs: Work with car clubs to identify opportunities to access charging points.   |
| 14 | Buses: Investigate potential locations for bus recharging hubs, electric bus needs, and electric bus charging patterns.             |
| 15 | Taxis and private hire vehicles: Install rapid charging points in suitable locations for use of this sector.                        |
| 16 | Service stations: Support planning applications for rapid charging.   |
| 17 | Canal boats: Support the transfer to cleaner technologies.  |
| 18 | SMEs: Develop a package of measures to support SMEs to switch to EVs.   |
| 19 | Work with the biggest commercial fleet operators in the borough to help them switch to EVs.   |

## Objective 4: To develop an electric vehicle charging network in line with expected demand over the next 10 years

A network of well-located charging points, encompassing a diverse range of technologies, overcomes range anxiety and people's doubts over if they will be able to charge their car or not. This allows those considering an EV to confidently make the switch to a cleaner vehicle.

TfL predicted EV demand across all London boroughs and wards in 2020 and 2025. Based on these predictions, the Council will need to have installed approximately 300 charging points by 2020. By 2025, the borough will need over 2000 points.

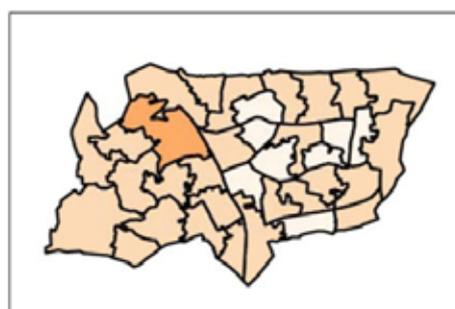
This will be at minimal cost to the Council as charging point companies will pay for, and manage, the installation and cost of ongoing maintenance. They will also provide rent to the Council for installing on the public highway.

Whilst the Council want to enable a wide range of charging technologies and at appropriate locations, the Council see that standard charging points (below or up to 7 kilowatts of power) are best suited for residential on-street charging. These points will be installed with regards to the Council hierarchy: 1) in the carriageway; 2) retrofitting street furniture; 3) on the pavement where there is sufficient space. Rapid chargers (above 45 kilowatts of power) will be installed with regards to our hierarchy of: 1) in off-street locations such as car parks or hubs; 2) on build-outs onto the carriageway; 3) on the pavement where there is sufficient space.

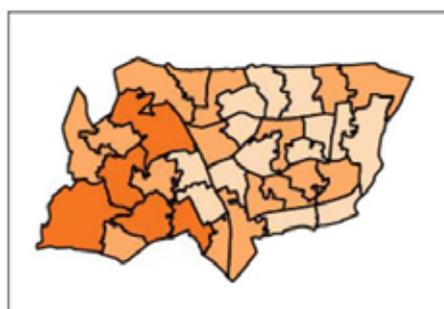
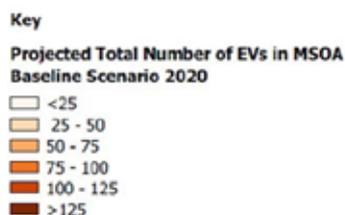
Please refer to page 29 of the full Ultra-Low Emission Vehicle Action Plan for more information on this objective and its actions.

### Objective 4 actions

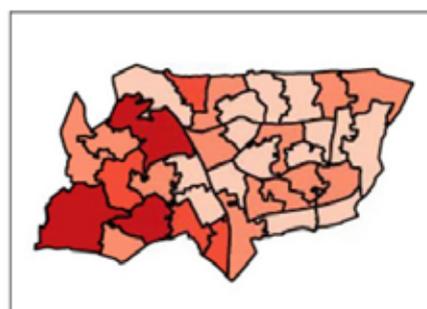
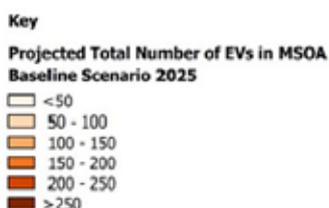
20	Deliver charging infrastructure in line with EV registrations in the borough and Transport for London EV demand data.
21	Have a webpage on the Council website for residents to request a charging point.
22	Deliver 5 rapid charging units in suitable locations in the short term and deploy more in line with demand.
23	Open up the tender process to many suppliers to ensure best-value charging for users is achieved.
24	Ensure that new developments deliver the required number of charging points in line with policy.
25	Prioritise EV bays when delivering new parking bays on the public highway and public car parks.
26	Ensure every new charging point in the borough is smart-capable.
27	Minimise impact on the streetscape when installing charging points by referring to the Council's hierarchy.
28	Ensure there is adequate electricity supply to support charging points and charging needs.
29	Investigate the potential of towpath charging infrastructure for canal boats.
30	Review planning policy with ambition to have 100% of bays with active charging points in new developments across the borough.
31	Ensure all charging points are income generating and low-cost to the Council.



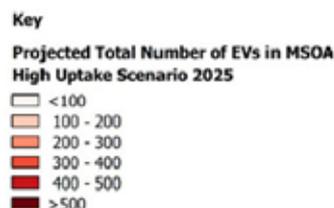
Total EV baseline 2020



Total EV baseline 2025



Total EV high uptake 2025



## Objective 5: To be a leader in innovation for carbon-friendly and cost-efficient charging technology

The Council want to stay up-to-date with carbon-friendly and cost-efficient technology to provide the best options to the borough. Furthermore, innovation can allow us to address some challenges that have already been identified, such as how to charge vehicles without the need for increased street furniture, or make charging easier and simpler to use, with robust equipment.



Picture sources: Electrive, 2018

Technologies such as lamp column charging provide an alternative to charging points and reduce street clutter. Lamp columns are easy to retrofit if there is sufficient electricity supply to support charging an EV. The Council will trial lamp column charging in suitable locations for a sufficient period to gather feedback on this technology, and to determine whether this will be rolled out across the borough.

While there is research and development into wireless or induction charging, the technology is not yet mature enough for the Council to trial. Induction charging is less efficient as it incurs an energy loss during energy transfer.

Please refer to page 32 of the full Ultra-Low Emission Vehicle Action Plan for more information on this objective and its actions.

### Objective 5 actions

32	Retrofit or replace existing electrical street furniture to accommodate charging, including 2 lamp column chargers at 10 locations.
33	Install a solar-powered charging station.
34	Investigate the hydrogen refuelling needs and opportunities to deliver this infrastructure.
35	Investigate the potential for a North London hydrogen depot on industrial land in the borough.
36	Trial a new and emerging charging technology.

## Monitoring and review

The action plan will be reviewed and assessed on an annual basis. This is to ensure that the Council is still on the right track to deliver a borough with clean transport options, as well as to re-align with regional and national progress on ULEVs.

### HOW CAN I HAVE MY SAY?

**Online** – completing the questionnaire online at: [www.haringey.gov.uk/ULEVconsultation](http://www.haringey.gov.uk/ULEVconsultation)

**By post** – completing and returning a copy of this questionnaire to: Carbon Management, 6th Floor, River Park House, 225 High Road, Wood Green, London N22 8HQ

Pick up a copy in your local library or **come to one of our drop in sessions** – outlined on our webpage: [www.haringey.gov.uk/ULEVconsultation](http://www.haringey.gov.uk/ULEVconsultation)

### WHAT ARE THE NEXT STEPS?

This consultation period will run for 8 weeks in total, from 17th December 2018 to 11th February 2019. The Council will publish the results of this consultation and the following steps on our website: [www.haringey.gov.uk/ULEVconsultation](http://www.haringey.gov.uk/ULEVconsultation)

Following this, the Draft Ultra-Low Emission Vehicle Action Plan will be revised and the Final Ultra-Low Emission Vehicle Action Plan will be published in Spring 2019.

# Questionnaire

**Are you:**

- A Haringey resident
- A Haringey business
- A Haringey ward Councillor
- Other

If Other, please specify:

**Objective 1** looks at how the Council can educate and inform the community.

**1. In addition to our proposed actions, can you suggest other ways the Council can promote electric vehicles and charging technology to reach residents and businesses?**

**Objective 2** aims for the Council to have an all ultra-low emission fleet by 2030.

**2. Do you think the Council can achieve this by 2030?**

- Yes
- No
- I don't know

Comments

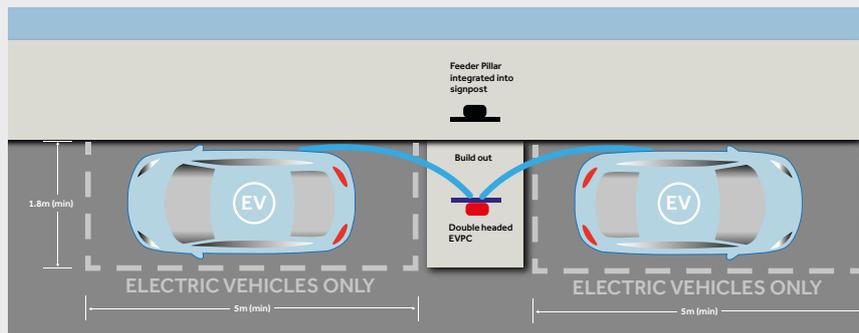
**Objective 3** wants all partners in the borough to have all ultra-low emission fleets by 2040.

**3. In addition to our proposed actions, what more can the Council do to support partners to achieve this ambition?**

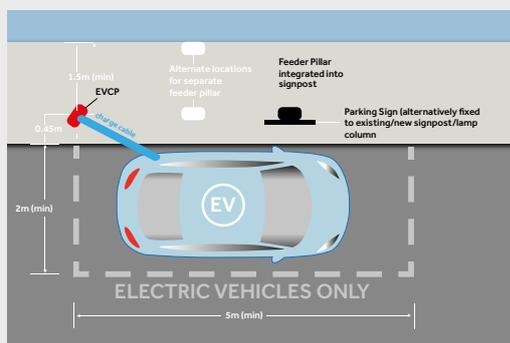
**Objective 4** looks at electric vehicle charging infrastructure.

**Alternative locations for charging points**

In the carriageway



On the pavement



In car parks/off-street hubs



**4a. Where do you think standard charging points are best located?**

- in the carriageway       on the pavement       in car parks/off-street hubs

Other:

**4b. Where do you think rapid charging points are best located?**

- in the carriageway       on the pavement       in car parks/off-street hubs

Other:

**Objective 5** looks at innovation.

**5. Do you agree with the proposed actions?**

- Yes  
 No

**6. Do you have any general comments about the overall Action Plan?**

# Equal Opportunities Monitoring Form

The Public Sector Equality Duty does not expressly require the council to collect equality information. However, collecting, analysing and using the information helps us to see how our policies and activities are affecting various sections of our communities. In employment and service provision, it helps us to identify any existing inequalities and where new inequalities may be developing and take action to tackle them.

The council will gather the equalities monitoring information in a way that individuals will not be identifiable.

In addition to the nine "protected characteristics" (Age, Disability, Gender Reassignment, Marriage and Civil Partnership, Sex, Race, Religion or Belief and Sexual Orientation) identified in the Equality Act 2010, we have added categories of Refugees and Asylum Seekers and Language in order to reflect the full diversity of Haringey.

We will be grateful if you could take a little time to complete and return this form. Please go through it and tick all the categories that most accurately describe you.

## Age

Please tick one box

- |                                   |                                |                                |                                |                                      |
|-----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------------|
| <input type="checkbox"/> Under 20 | <input type="checkbox"/> 25-29 | <input type="checkbox"/> 45-59 | <input type="checkbox"/> 65-74 | <input type="checkbox"/> 85-89       |
| <input type="checkbox"/> 21-24    | <input type="checkbox"/> 30-44 | <input type="checkbox"/> 60-64 | <input type="checkbox"/> 75-84 | <input type="checkbox"/> 90 and over |

## Disability

Under the Equality Act 2010, a person is considered to have a disability if she/he has a physical or mental impairment which has a substantial and long-term adverse effect on her/his ability to carry out normal day-to-day activities. Haringey Council accepts the social model of disability. However, in order to be able to identify and respond to your specific needs, it is important that we know what kind of disability you have.

### Do you have any of the following conditions which have lasted or are expected to last for at least 12 months?

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Deafness or partial loss of hearing | <input type="checkbox"/> Developmental disorder         | <input type="checkbox"/> Physical disability |
| <input type="checkbox"/> Blindness or partial loss of sight  | <input type="checkbox"/> Mental ill health              | <input type="checkbox"/> Other disabilities  |
| <input type="checkbox"/> Learning disability                 | <input type="checkbox"/> Long term illness or condition | <input type="checkbox"/> No disabilities     |

## Ethnicity

Please tick the box that best describes your ethnic group

### White

- British  Irish

### White Other

- Greek/Greek Cypriot  Turkish/Cypriot  
 Turkish  Kurdish  
 Gypsy/Roma  Irish Traveller  
 Other, please specify \_\_\_\_\_

## Sex

- Male  Female

## Gender reassignment

Does your gender differ from your birth sex?

- Yes  
 No  
 Prefer not to say

## Religion

Please tick as appropriate

- Christian  Hindu  
 Muslim  Sikh  
 Jewish  Rastafarian  
 Buddhist  No Religion  
 Prefer not to say  
 Other, please specify \_\_\_\_\_

### Mixed

- White and Black African  
 White and Black Caribbean  
 White and Asian  
 Other, please specify \_\_\_\_\_

### Asian or Asian British

- Indian  
 Bangladeshi  
 Pakistani  
 East African Asian  
 Other, please specify \_\_\_\_\_

## Sexual orientation

Please tick the box that best describes your sexual orientation

- Heterosexual  Bisexual  
 Gay  Lesbian  
 Prefer not to say

## Marriage and Civil Partnership

Please tick one box

- Single  Married  
 Co-habiting  Separated  
 In a same sex civil partnership  
 Divorced  Widowed

### Black or Black British

- African  
 Caribbean  
 Other, please specify \_\_\_\_\_

### Chinese or other ethnic group

- Chinese  
 Any other ethnic background  
\_\_\_\_\_

## Refugees and Asylum Seekers

Are you?

- A Refugee  An Asylum Seeker

What country or region are you a refugee asylum seeker from?  
\_\_\_\_\_

## Language

Please tick the box that best describes your language

- English  Turkish  
 Polish  Spanish  
 Albanian  Somali  
 Other, please specify \_\_\_\_\_

**If you want this in your own language, please tick the box, fill in your name and address and send to the address below**

**Shqip**

**Albanian**

Nëse dëshironi ta keni këtë në gjuhën tuaj, ju lutemi vendosni shenjën ✓ në kuti, shënoni emrin dhe adresën tuaj dhe niseni me postë falas në adresën e mëposhtme.

**Español**

**Spanish**

Si quiere esto explicado en su propio idioma, por favor marque el casillero adecuado, ponga su nombre, apellidos y dirección y mándelo a la dirección indicada abajo.

**Polskie**

**Polish**

Aby otrzymać to w swoim języku, zaznacz pole, wpisz swoje nazwisko oraz adres i wyślij na adres poniżej.

**Tiếng Việt**

**Vietnamese**

Nếu muốn có tài liệu này bằng ngôn ngữ của quý vị, xin quý vị vui lòng đánh dấu vào ô hộp trống tương ứng, điền họ tên và địa chỉ của quý vị và gửi đến địa chỉ dưới đây.

**Soomaali**

**Somali**

Haddii aad qoraalkan ku rabto luuqadaada, fadlan sax mari sanduukha, kusoo buuxi magaca iyo ciwaankaaga, kuna soo dir boostada hoose ee lacag la'aanta ah.

**Türkçe**

**Turkish**

Bu kitapçığın Türkçesini istiyorsanız lütfen kutuyu işaretleyip, adınızı, soyadınızı ve adresinizi yazarak posta pulu yapıştırmadan aşağıdaki adrese gönderin.

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**Please indicate if you would like a copy of this letter in another language not listed or any of the following formats and send to the freepost address below.**

- |                    |                          |                      |                          |
|--------------------|--------------------------|----------------------|--------------------------|
| • Large print      | <input type="checkbox"/> | • On disk            | <input type="checkbox"/> |
| • On audio tape    | <input type="checkbox"/> | • Braille            | <input type="checkbox"/> |
| • Another language | <input type="checkbox"/> | <i>Please state:</i> | _____                    |

Name: \_\_\_\_\_

Address: \_\_\_\_\_

**Carbon Management, 6th Floor, River Park House,  
225 High Road, N22 8HQ**