

**AFM/11/10**

**Forum:** Mid Essex Area Forum

**Date:** 11 November 2010

**Essex and Southend Waste Development Document: Issues and Options**

Attached is a hard copy of the slide presentation to be made to the meeting.

# Essex & Southend on Sea Waste Development Document Issues and Options

Lesley Stenhouse  
Minerals and Waste Planning Manager  
Mid Area Forum 11 November 2010

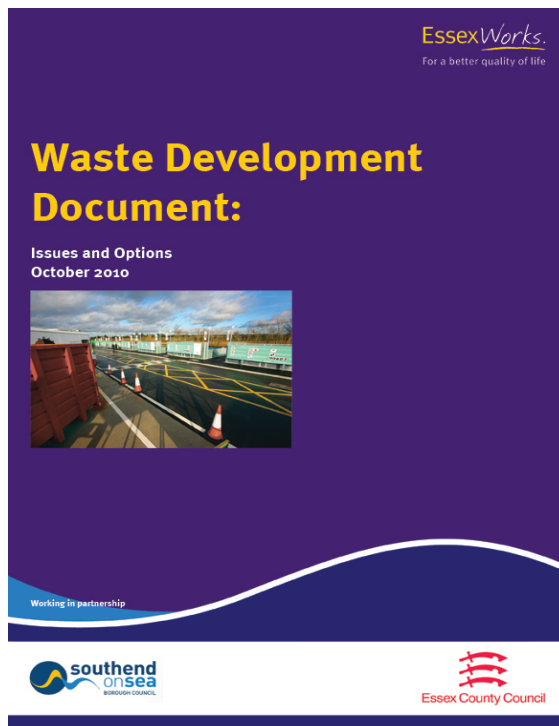
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# Purpose of Today

- To provide an overview of the Issues and Options consultation paper – Waste
- Outline key Consultation activities
- next steps

# New - Joint Essex and Southend Waste Development Documents 2009 - 2031



## 1. Main Waste Development Document comprising:

- a **Core Strategy** the long term direction for waste management and disposal
- plan to deliver the strategy;
- detailed **Development Management** policies
- Strategic Site Allocations for waste management and disposal

## 2. Non Strategic Waste Site Allocations:

- any other sites for waste processing during the lifetime of the plan and associated
- safeguarding required to support the plan

# Background / Evidence Base

- Essex & Southend Waste Capacity Gap Report\*
- Waste Water Treatment Report\*
- Essex & Southend Municipal Waste Management Strategies
- RSS – Evidence Base (up to date waste data)
- Sustainability Appraisal /SEA\*
- Strategic Flood Risk Assessment – Stage 1\*
- Habitat Regulation Assessment\*

\*Evidence base on supporting consultation CD

# WDD Issues & Options

## Covers:

- **what** strategies should be developed
- **how** these should be implemented and
- **where** any major sites should be located

## Structure:

1. Introduction
2. Policy and Strategy Context
3. **Waste Arising and Prevention** - 3 scenarios, need for extra facilities
4. **Spatial vision and Strategic Objectives**
5. **Spatial Strategy** – spatial strategy and locational criteria
6. Core Policies
7. Managing new and Existing Development
8. Delivery and Monitoring
9. **Call for sites**

## 3. Waste Requirements / Capacity Gap

3 waste forecast scenarios

- Adopted RSS (May 2008)
- Submitted RSS (2010)
- Local Waste Strategy (combination of the municipal waste strategy and Submitted RSS)

Issues include:

- How to distinguish between the recycling and landfill targets
- Basis for net self sufficiency
- Approach to London imports for disposal
- Which scenario is most appropriate

# Total Projected Waste Arisings to be managed over the Plan Period

Total of Arisings 2008/09 - 2030/31 (in mt)								
Scenario From 2008/2009 – 2030/2031	MSW Arisings	C&I Arisings	London Imports	Total Tonnes (exc. C&D)	Annual Average (mtpa) (over the 22 years)		C&D Arisings	Total Tonnes (inc. C&D)
1) Adopted RSS	24.9	50.1	4.6	79.6	3.62			
2) Submitted RSS	18.4	27.9	3.7	50.0	2.27		50.7	100.7
3) Local Waste Strategy	18.2	27.9	3.7	49.8	2.26		50.7	100.5
<b>ACTUAL ARISINGS 2008/09</b>	0.8	1.17 <i>estimate</i>	0.93	2.90			2.24 <i>estimate</i>	5.14



# Capacity Gap Key Issues (1) (excluding Adopted RSS scenario)

1. Maintain **waste prevention** measures
2. Push waste up the hierarchy with a move away from landfill.
3. The WDA's require a network of waste transfer facilities
4. Caution on recycling / composting figures – likely to need additional composting /AD capacity to treat MSW organic waste.
5. Additional C&D recycling facilities required (**up to 0.31mtpa**).
6. The strategic importance of the **3 permitted Major Waste Sites** with MBT processes for MSW & C&I. Additional capacity require if one or more do not become operational **0.33-0.40mtpa**

## Capacity Gap Key Issues (2)

7. Additional Inert Landfill required (between 3.7 – 5.0Mm<sup>3</sup>)
8. Additional non-hazardous landfill (MSW & C&I) required (between **0.79 – 4.9Mm<sup>3</sup>**) with emphasis on MSW. Need to consider the suitability and potential for existing C&I landfill sites to receive MSW and/or compost-like output.
9. Additional landfill required for hazardous waste (**up to 0.05Mm<sup>3</sup>**)
10. Predicted Gaps require a **Call for Sites** for:
  - MSW waste transfer facilities
  - Composting facilities
  - C&D recycling
  - treatment facilities
  - Landfill: inert, non-hazardous (MSW & C&I) and hazardous landfill

## 4. Spatial Vision & Strategic Objectives

### **Emerging Key Issues:**

1. Scale and Distribution of facilities – gaps
2. Scale and Distribution re future growth areas both population & economic
3. Climate Change – reduce carbon emissions
4. Minimise transport – optimise network
5. Water resources & flooding
6. Ecological Assets
7. Landscape & townscape
8. Community – minimise amenity impact

# Proposed Vision

By 2031, we will have achieved the following:

- Sufficient provision of waste management infrastructure to deliver sustainable waste management in the context of existing demand and planned growth.
- Waste management infrastructure which has pushed waste management up the waste hierarchy by,
  - **Preventing waste** in the first instance and where this is not possible waste should be re-used
  - Where it is not re-used, it will be recycled or composted, or otherwise treated to recover value (where possible) and reduce the overall volume of waste requiring disposal
- The Plan area will have reached net self-sufficiency in its waste management
- Importation and **disposal** of London's waste will have been reduced through annual targeted reduction
- Waste management facilities are located, designed and operated to minimise impacts on climate change, local amenity for residents, and the natural and built environment

# Strategic Objectives

1. Reduce waste to landfill
2. Net self sufficiency & reduce London's waste
3. Promote waste prevention
4. Safeguard some existing facilities
5. Plan to meet the capacity gap: transfer stations, C&D recycling, composting, treatment facilities & landfill
6. Pattern of waste facilities to serve whole county and regard to urban areas
7. Maximise economic opportunities
8. Minimise environmental impact of transport
9. Apply waste hierarchy to reduce carbon emissions
10. Reduce impact on water
11. Reduce impact on flooding
12. Nature conservation
13. Support sensitive location and design
14. Protect general amenity

# Chapter 5 Spatial Strategy (1)

## Emerging Spatial Options (part 1)

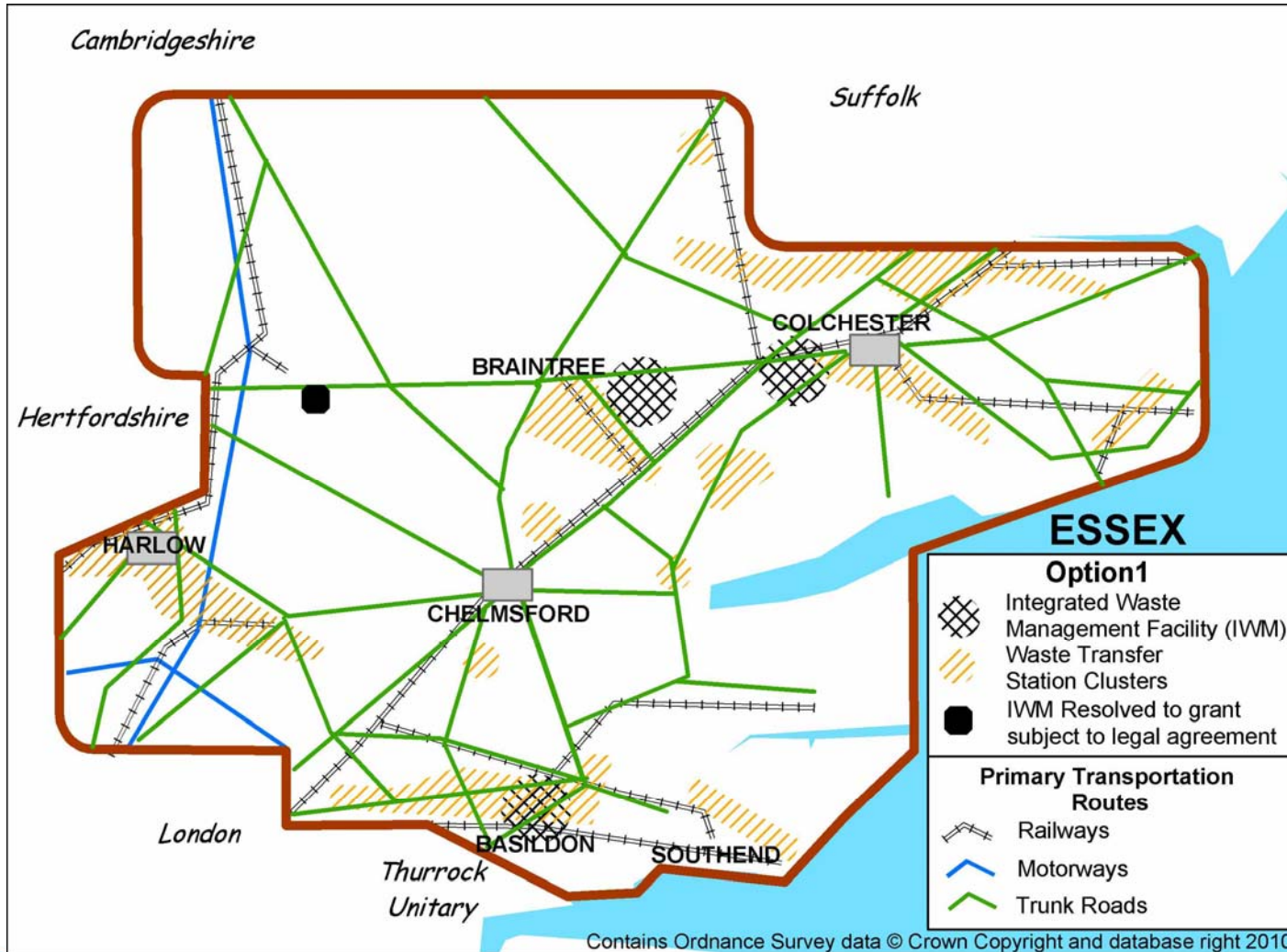
- 4 emerging locational spatial options
- based on issues including: size of facilities, waste source & geological gaps
- Seeking views on preference or preferred hybrid or other

## Locational Criteria (part 2)

- Explores the types of locational criteria for specific waste facilities

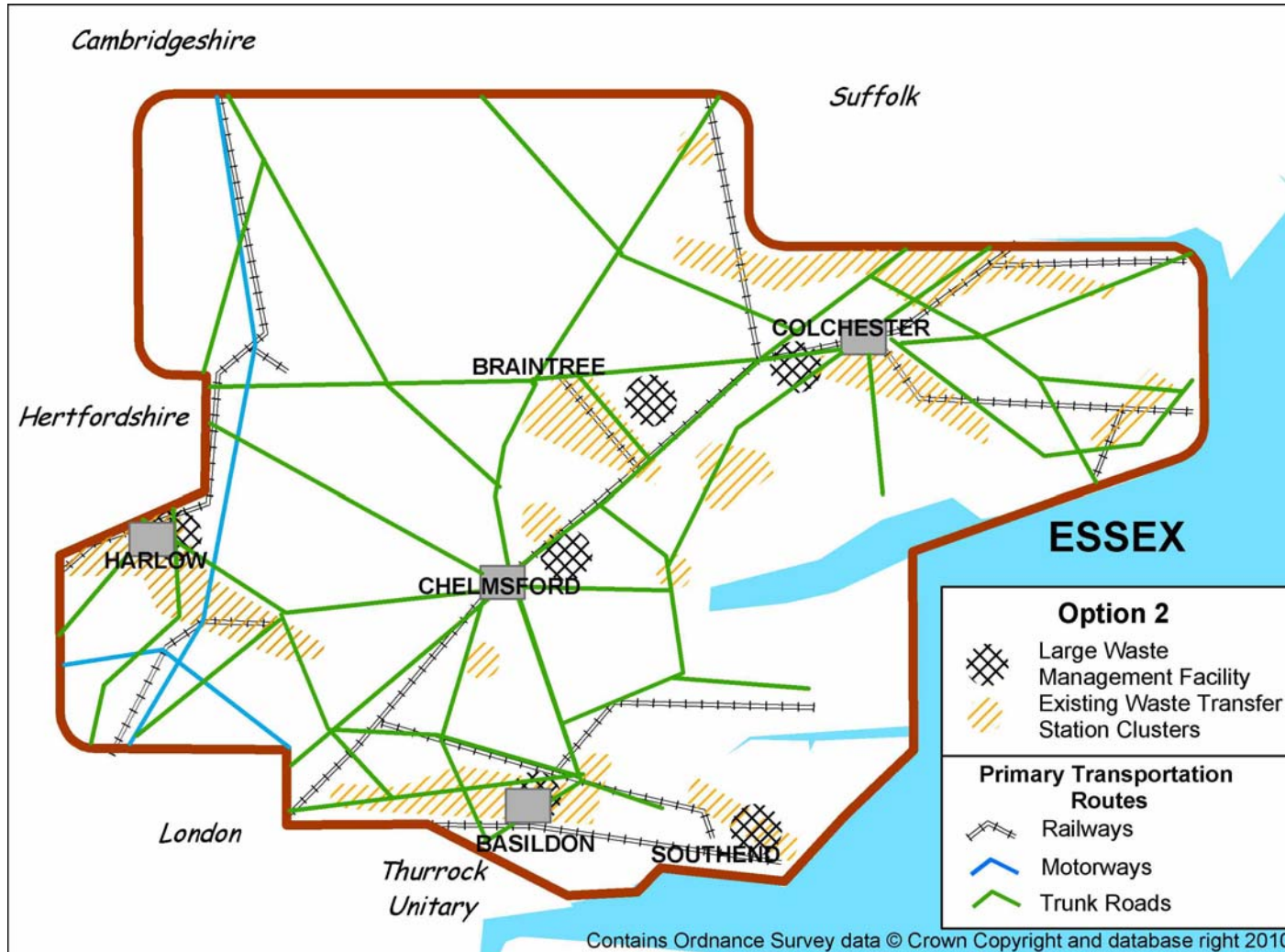
**Spatial Strategy**

**Spatial Option 1: Expansion and co-location with Existing Facilities**



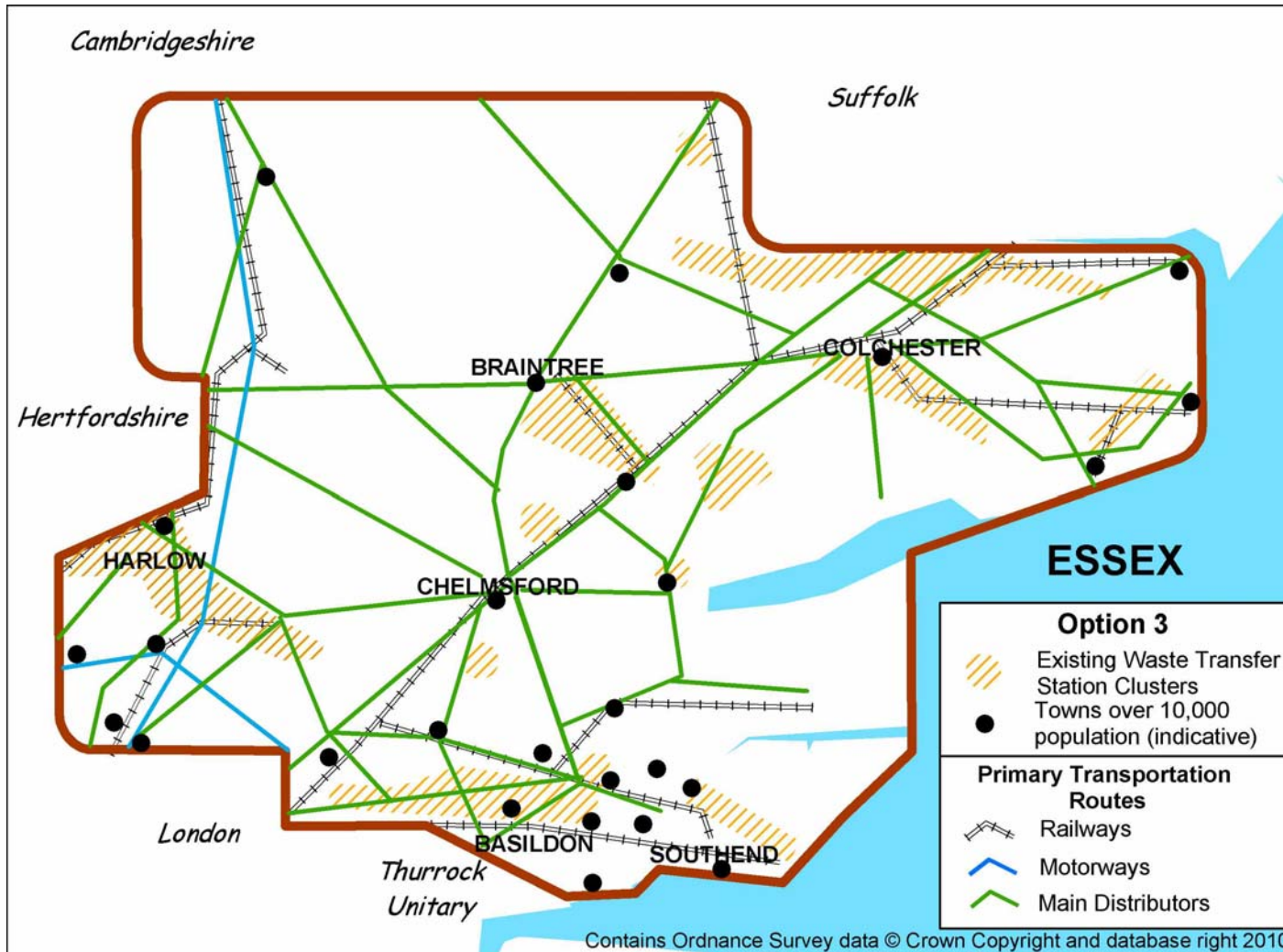


**Spatial Strategy**  
**Spatial Option 2 Key Centres of Population and Growth**



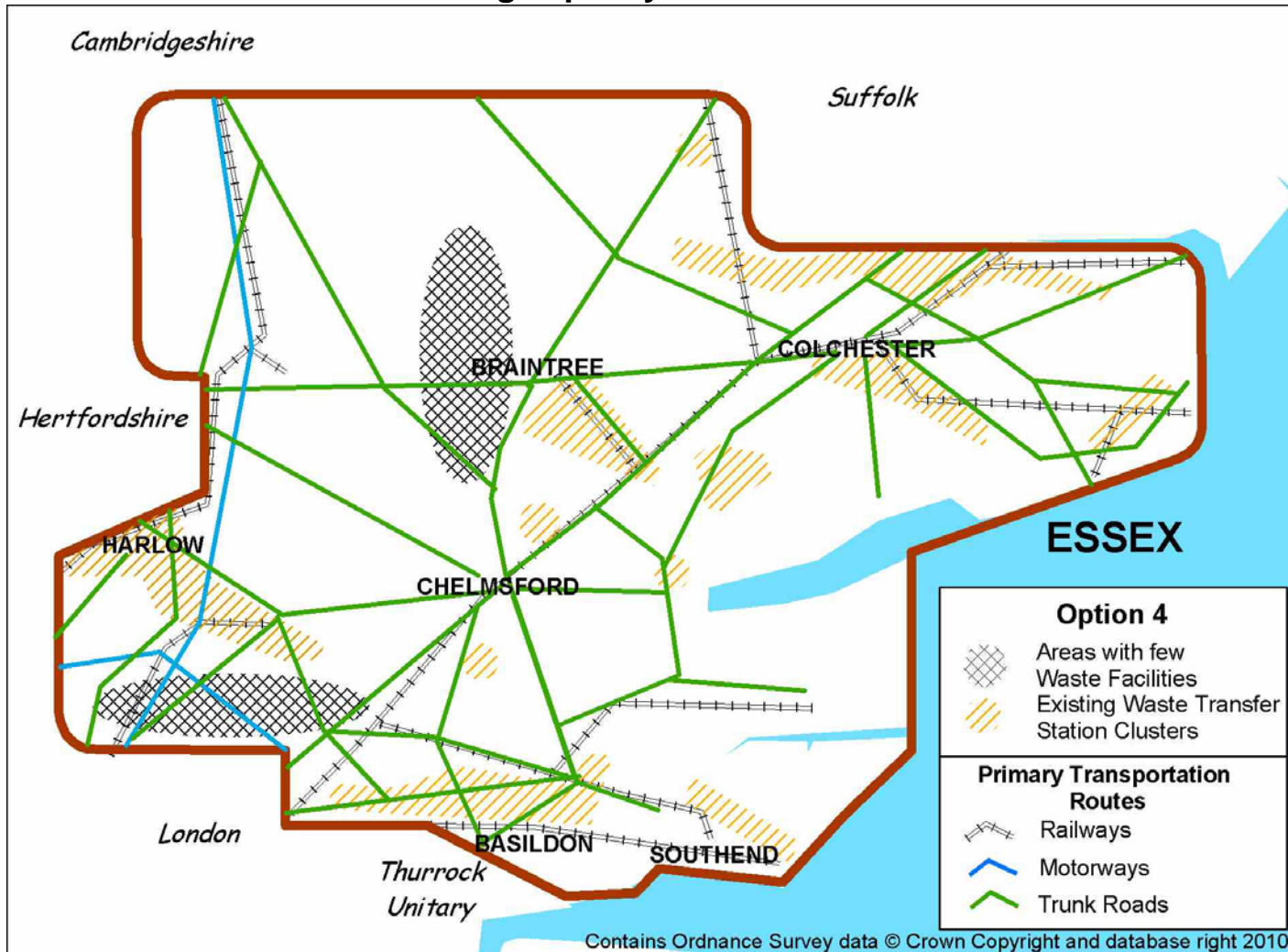


## Spatial Strategy Option 3 De-centralised approach



## Spatial Strategy

### Option 4: Areas with limited existing capacity



# Spatial Strategy (2)

## Locational Criteria for facilities

- **Recycling & Composting**  
Waste Transfer Stations, Material Recycling Facilities, Composting (open & In vessel); Construction & Demolition recycling
- **Treatment Facilities**  
Anaerobic digestion; Mechanical Biological Treatment; Autoclaving,
- **Energy Recovery Facilities**  
Energy from Waste (Energy Recovery), Gasification & Pyrolysis, landfill gas plants
- **Disposal**  
Landfill

# Example: Material Recycling Facility

MRF – Enclosed	Large scale	Small scale
Location Options		
Industrial sites used for general industry, storage and distribution		
Brownfield sites in urban areas		
Brownfield sites in rural areas		
Redundant farm buildings		
Co-location with existing waste facilities		
Working relationship with mineral working and landfill sites		
Open countryside		
Other (please specify)		





# Chapter 9 Call for Sites

**Why:** To identify as many proposals as possible for consideration / assessment to fill the capacity gap

**Who:** landowners, developers & interested parties

**How:** completing appropriate pro-forma (in appendix)

**When:** Submit by 2 December

## Types of facilities:

- waste transfer
- Composting facilities
- Construction & Demolition recycling
- Treatment facilities (whole range inc)
  - Anaerobic digestion,
  - MBT
  - autoclaving &
  - energy from waste
- Landfill:
  - Inert
  - non-hazardous (MSW & C&I); &
  - hazardous landfill

# Consultation Arrangements

**8 Weeks:** 7 October – 2 December 2010

Advertised in the Press; Making the Links (& monthly updates)

All consultees (inc parishes) - received a Summary & CD  
(CD: Summary, Waste DD, evidence base / assessments & Public Notice);

Parishes – also receive Poster & Leaflet advertising activities

Available to view:

In libraries and District/Borough offices

Essex & Southend Websites - to view and respond online

[www.essex.gov.uk/WDD](http://www.essex.gov.uk/WDD)

Activities:

- Series of Roadshows 7 October – 9 November
- 5 Facilitated workshops 1 November – 23 November
- Public Meetings on request

# Roadshows/Exhibitions

Chelmsford	7 Oct & 8 Nov
Clacton	11 October
Colchester	12 October
Epping	14 October
Brentwood	19 October
Braintree	25 October
Gt Dunmow	26 October
Harlow	27 October
Maldon	28 October

Basildon	2 November
Southend Civic Centre	2 Nov
Rayleigh	4 November
Hadleigh	9 November

All Libraries (except Southend)

Time: 10:30 – 7:30

- Drop in throughout the day
- Sign up to the workshops

# Facilitated Workshops

## Workshop Dates and Venues

Pre- Booked Workshops are scheduled as follows:

Colchester on 1 November (afternoon)

Brentwood on 8 November (morning)

Chelmsford on 18 November (evening)

Braintree on 22 November (morning)

Southend-on-Sea on 23 November (afternoon)

## Limited number of places & need to be booked in advance:

either by phone: Becky Rushmer on 01245 437523 (51523)

or email [rebecca.rushmer@essex.gov.uk](mailto:rebecca.rushmer@essex.gov.uk)



# Next Steps

- Complete consultation process
- Upload responses to the web sites
- Assess Responses & suggested sites
- Prepare Preferred Approach
- Preferred Approach Consultation Nov 2011

# Essex & Southend on Sea Waste Development Documents

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