

Energy from Waste: Next steps following the independent review of incineration

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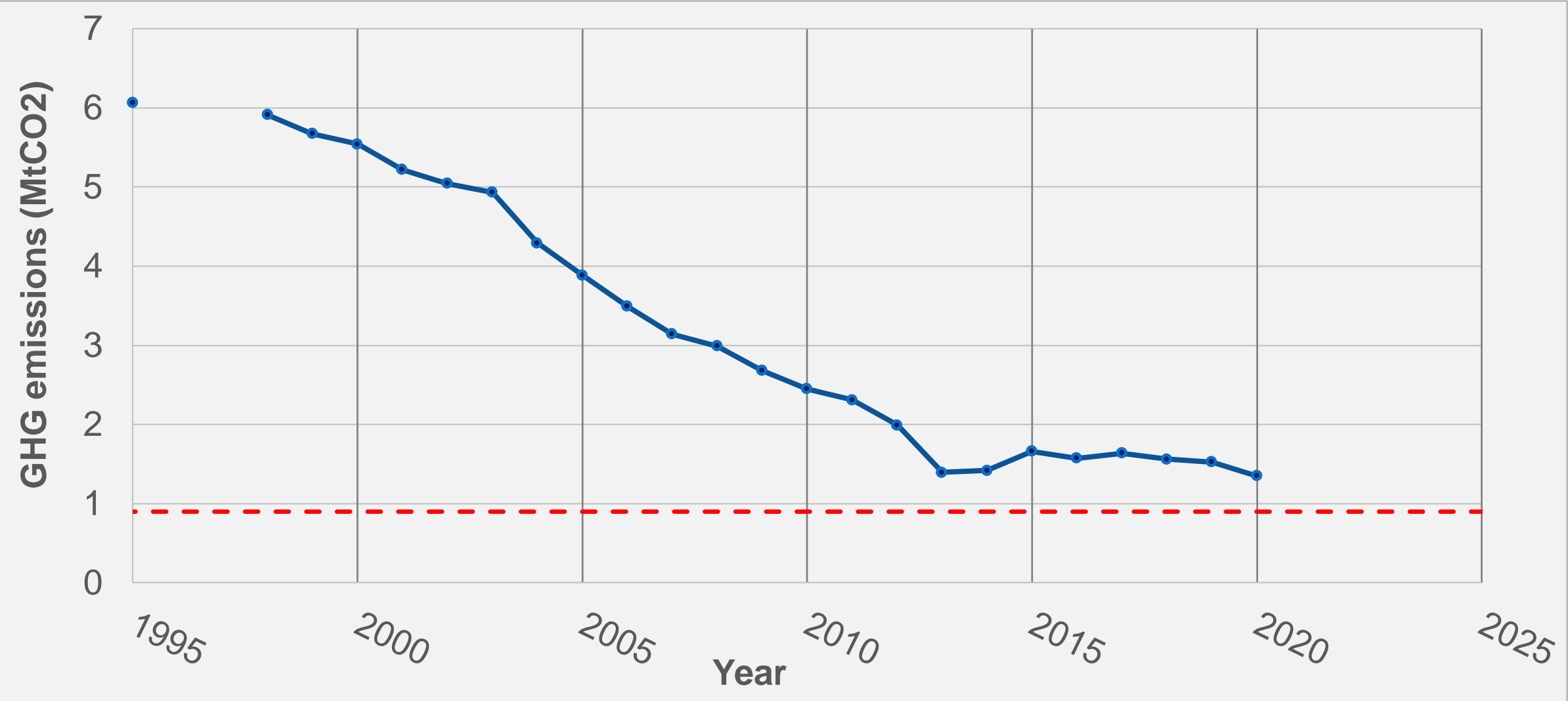
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Waste management sector GHG emission decreases but...



Independent Review of Incineration

1st Report – Stop, Sort, Bury, Burn? (*May 2021*)

- Capacity
- Data
- Engagement

2nd Report – Opportunities to Decarbonise the Sector (*Jan 2023*)

- Ending the burning of plastics
- Deploying heat networks
- Supporting CCUS

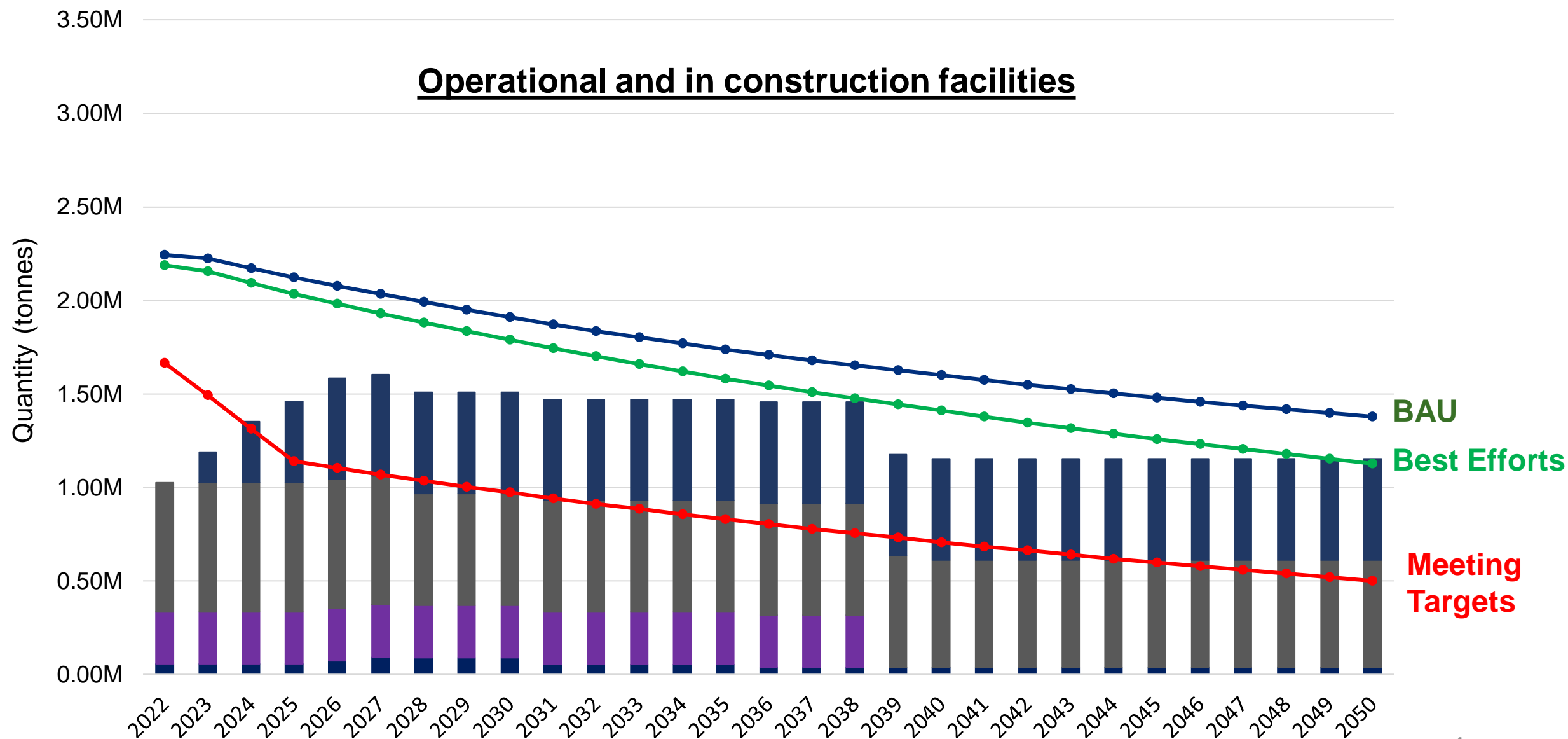
Stop, Sort, Burn, Bury? Independent Review of the Role of Incineration in the Waste Hierarchy in Scotland

**Second Report: Decarbonisation of Residual
Waste Infrastructure in Scotland**

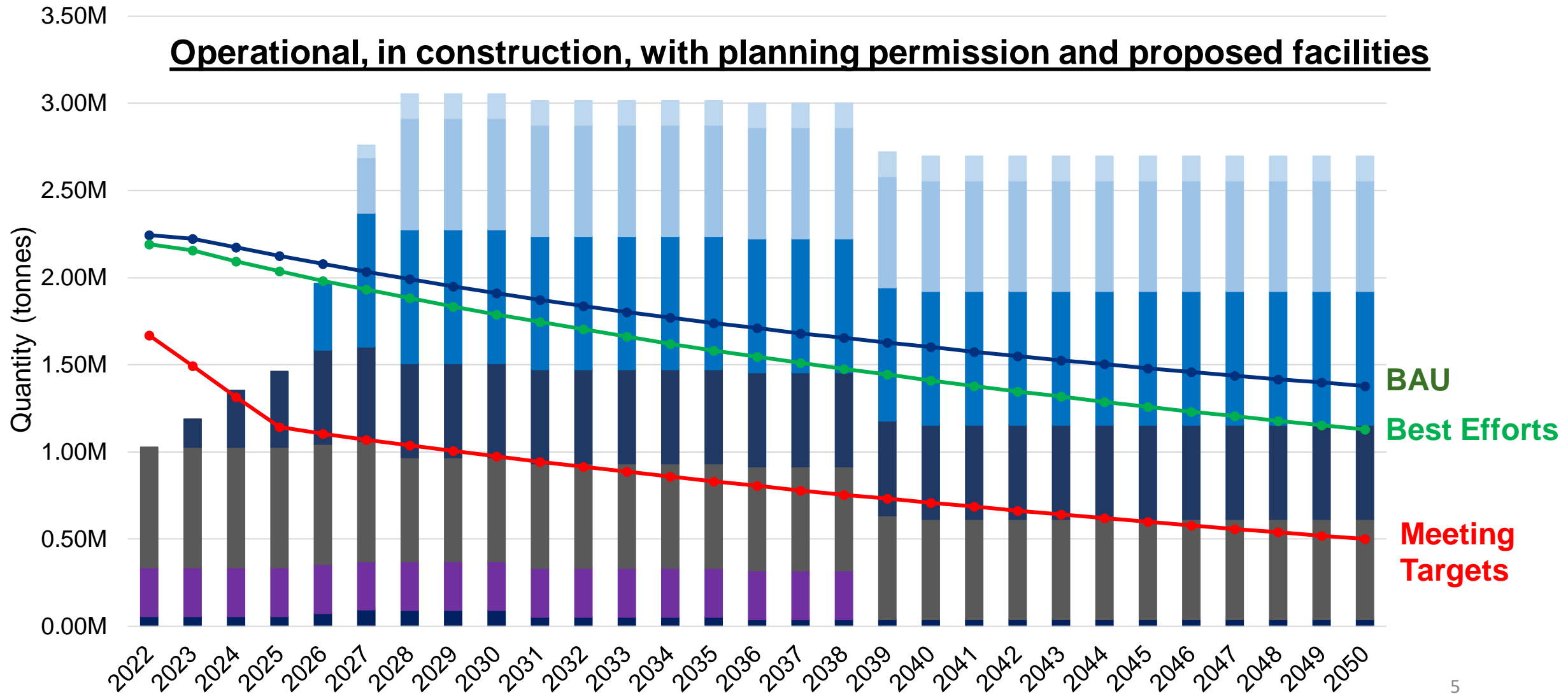


Capacity analysis

Operational and in construction facilities



Capacity analysis



Capacity Recommendation

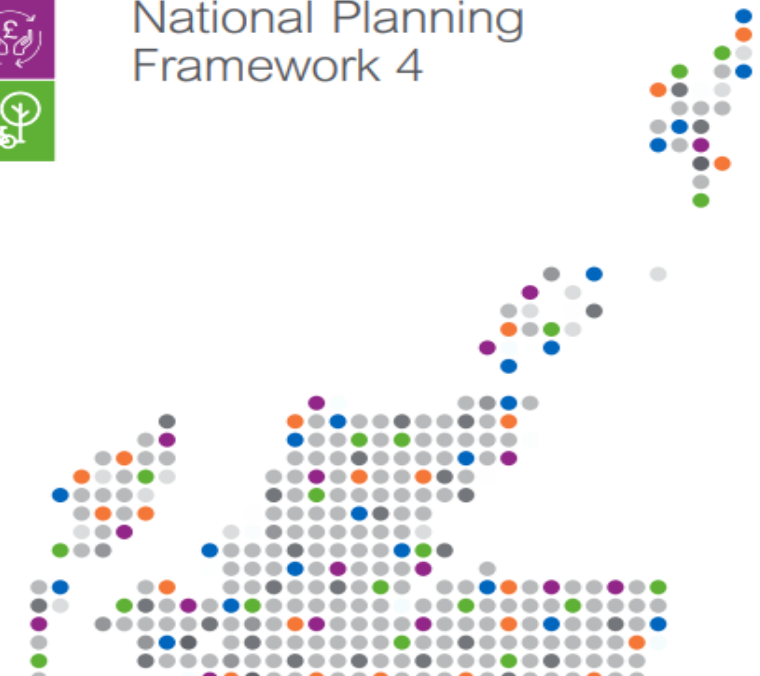
*“...ensure that **no further planning permission (i.e. beyond that already in place)...**unless balanced by an equal or greater closure of capacity. The only exceptions to this...*

Actions

Development proposals for energy-from-waste facilities **will not be supported except under limited circumstances where a national or local need has been sufficiently demonstrated (e.g. in terms of capacity need or carbon benefits)** as part of a strategic approach to residual waste management and where...



National Planning
Framework 4



Data recommendations and next steps

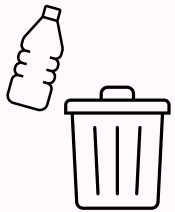
Recommendations	<p>Industry, LAs and SG should do more to make waste data more transparent and accessible</p> <p>SG should develop better waste management data</p>	<p>Report GHG emissions from incineration separately</p>
SG Response	<ul style="list-style-type: none">• composition analyses (2023)• introduction of digital waste tracking (from 2024)• Working with SEPA to consider what and how other data can be reported.• Feasibility study on forecasting (2023/24)	<ul style="list-style-type: none">• Separate reporting of EfW emissions in GHG statistics (2023)

NB – worth noting other recommendations on improving community engagement

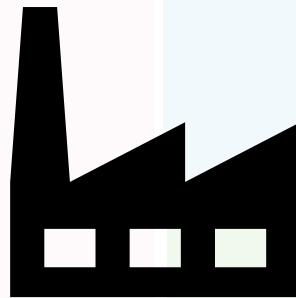
2nd Report recommendations

Plastics

Stop fossil-based plastic from being incinerated in Scotland from the beginning of 2030.



...through policies to **reduce plastic production and use, promote source segregation** of all plastic wastes, and **implement advanced sorting** of residual waste.



CCUS

...prioritise those plants where deployment of currently available CCUS technology is most feasible.

...consider support for emerging carbon capture and use technologies that could overcome challenges to deployment

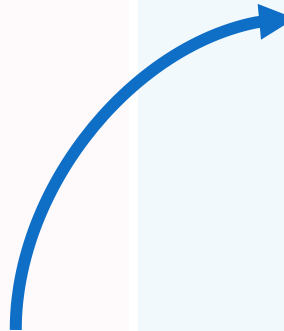
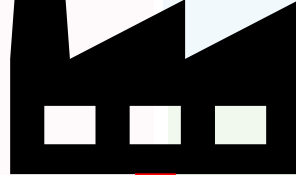
Heat and Power

...continue to work with industry to **deploy combined heat and power** for as many existing incineration facilities as possible

SG Response and next steps

Ambition to stop the unnecessary burning of plastics

- EPR (2024)
- DRS (2024)
- £70m Recycling Improvement Fund (ongoing)
- Circular Economy Bill proposals



CCUS

- **feasibility study** into the deployment of negative emissions technologies (NETs) in Scotland
- **£5 million CO2 Utilisation** Challenge Fund - open for expressions of interest.

Other incentivises

- UK ETS
- Waste and Circular Economy Route Map proposals



Heat and power

- new statutory targets (Heat Networks (Scotland) Act, 2021)
- £300m Heat Networks fund

Summary

- Ensuring **appropriate capacity** to manage residual waste, which plans for continued reductions in waste arisings.
- Continued focus on **decarbonisation of the sector**, particularly through minimising the incineration of plastics..
- We will publish a final **Waste and Circular Economy Route Map** this year, which will set out key actions to decarbonise the sector.



Key links

Incineration review report 1 - [Independent review of the role of incineration in the waste hierarchy: Scottish Government response - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/independent-review-of-the-role-of-incineration-in-the-waste-hierarchy/pages/1-Independent-review-of-the-role-of-incineration-in-the-waste-hierarchy.aspx)

Incineration review report 2 - [Supporting documents - Decarbonisation of residual waste infrastructure: report - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/supporting-documents-decarbonisation-of-residual-waste-infrastructure/pages/2-Supporting-documents-decarbonisation-of-residual-waste-infrastructure.aspx)

SG response to report 1 - [Independent review of the role of incineration in the waste hierarchy: Scottish Government response - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/independent-review-of-the-role-of-incineration-in-the-waste-hierarchy/pages/1-Independent-review-of-the-role-of-incineration-in-the-waste-hierarchy.aspx)

SG response to report 2 - [Supporting documents - Decarbonisation of residual waste infrastructure: Scottish Government response - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/supporting-documents-decarbonisation-of-residual-waste-infrastructure/pages/2-Supporting-documents-decarbonisation-of-residual-waste-infrastructure.aspx)

Route Map Consultation Document - [Delivering Scotland's circular economy - route map to 2025 and beyond: consultation - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/delivering-scotland-s-circular-economy-route-map-to-2025-and-beyond/pages/1-Delivering-Scotland-s-circular-economy-route-map-to-2025-and-beyond.aspx)

Circular Economy Bill Consultation - [Supporting documents - Delivering Scotland's circular economy - proposed Circular Economy Bill: consultation - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/supporting-documents-delivering-scotland-s-circular-economy-proposed-circular-economy-bill/pages/1-Supporting-documents-delivering-scotland-s-circular-economy-proposed-circular-economy-bill.aspx)

Heat Networks Fund – [Scotland's Heat Network Fund: application guidance - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/scotland-s-heat-network-fund-application-guidance/pages/1-Scotland-s-heat-network-fund-application-guidance.aspx)

CO2 Utilisation Challenge Fund info - [£5 million to develop carbon dioxide utilisation technology - gov.scot \(www.gov.scot\)](https://www.gov.scot/publications/5-million-to-develop-carbon-dioxide-utilisation-technology/pages/1-5-million-to-develop-carbon-dioxide-utilisation-technology.aspx)

Digital Waste Tracking consultation - [Implementation of mandatory digital waste tracking - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/consultations/implementation-of-mandatory-digital-waste-tracking)