



West Coast Forum on Climate and Materials Management
managing materials to address a changing climate

Connecting Climate and Waste To Sustainable Materials Management Resource Conservation Strategies For Greenhouse Gas Emissions Reductions

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Overview

- Climate & Waste Connection
- Use in Traditional Inventories
- Expanding View to Include Upstream Opportunities
- Value of Materials Management to State and Local Governments
- Tools
- West Coast Forum





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New Value for Traditional Programs

- Climate and sustainability efforts highlight “traditional” recycling and resource conservation efforts
- Cost and responsibility to manage waste falls to local governments
- Efforts are primarily driven from end of life, or a discards management perspective





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Traditional Waste Programs: Good and Getting Better

- Statutorily Set Diversion Rates
- Pay-As-You-Throw
- Curbside Recycling
- Targeted Waste Streams
- Construction and Demolition Programs
- Composting: Yard Waste & Organics
- Education Programs





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Measuring GHG Reductions

- Treatment of end of life programs in “conventional” inventories
- Reducing GHG Emissions Through Recycling and Composting
- Measuring the Waste Component: 1-5%
 - WARM: EPA created the Waste Reduction Model (WARM) to help solid waste planners and organizations track and voluntarily report greenhouse gas (GHG) emissions reductions from several different waste management practices.





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Moving Upstream

- From end of life management to full life cycle considerations
- From discards & recycling to materials management





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End of Life
Options



Life Cycle
Options



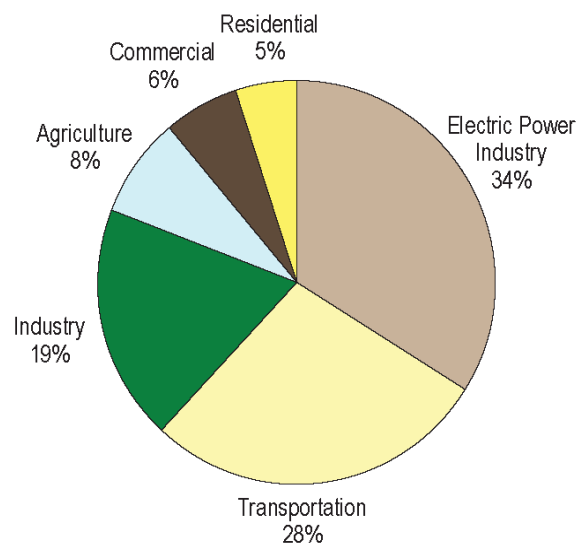


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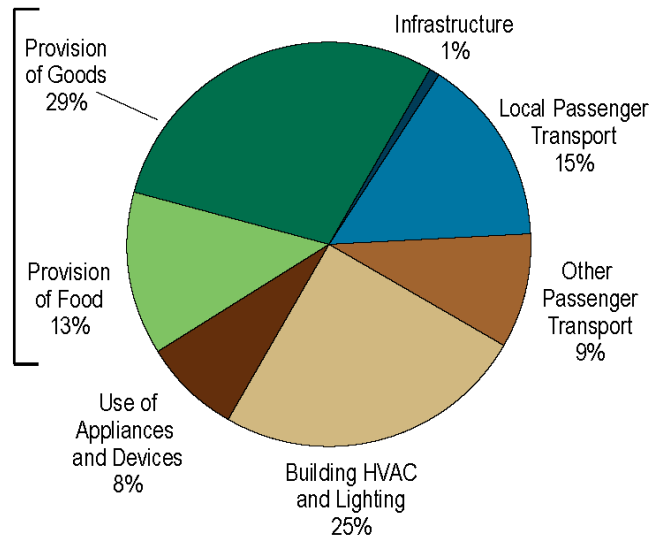
US GHG Inventory 2006

Sector-based View



Systems-based View

Materials Management Policies





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	End of Life (EOL) Management	Materials Management
Scope	Downstream	Lifecycle
Actions	Recycling Diversion Composting	EOL Actions Packaging Procurement Design & Labeling
Partners	Waste Generators Residents Businesses Recyclers Landfill Operators	EOL Partners Procurement Staff Air Programs Product St. Green Bldg & Roads



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Identifying Opportunities

- Build on what's already working in your community
- Identify partners, including non-traditional
- Educate yourself and others
 - [LCA Overview: 12/4/12, 11 AM. PST](#)





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Tools and Resources

- [West Coast Climate and Materials Management Forum](#)
- [Materials Management Electronic Climate Action Protection Toolkit](#)
- [Communicating the Value of Materials Management](#)
- [Food Waste Prevention Toolkit](#)
- [Us Community Protocol for Accounting and Reporting of GHG Emissions](#)
- [Cool Climate Calculators](#)





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The Forum

- Federal, state and local government partnership
- Materials Management approach to climate change & sustainability
- Forum [website](#) coming soon
- Upcoming Events/Products
 - Webinar Series: LCA, Consumption & the Environment
 - Product Stewardship Paper
 - Food Waste Prevention Pilot Results
 - Government Purchasing for Climate Protection





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Thank You

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