#### PROSPECTS FOR SOLID WASTE ENERGY RECOVERY IN CALIFORNIA





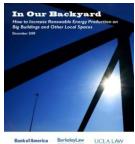
Center for Law, Energy & the Environment

#### Ethan Elkind Director, Climate Change and Business Program UC Berkeley School of Law

July 29, 2016







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How California Can Deploy Large-Scale Renewable Energy Projects on Appropriate Farmland

October 2011



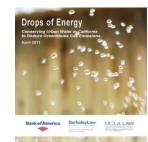
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**KNOWLEDGE IS POWER** 

How Improved Energy Data Access Can Bolster Clean Energy Technologies & Save Money





Spending With California's

Environmental Goals

February 2016



PLANTING FUELS

How California Can Boost Local.

Low-Carbon Biofuel Production

December 2015



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#### WASTING OPPORTUNITIES

How to Secure Environmental & Clean Energy Benefits from Municipal Solid Waste Energy Recovery

MAY 2016





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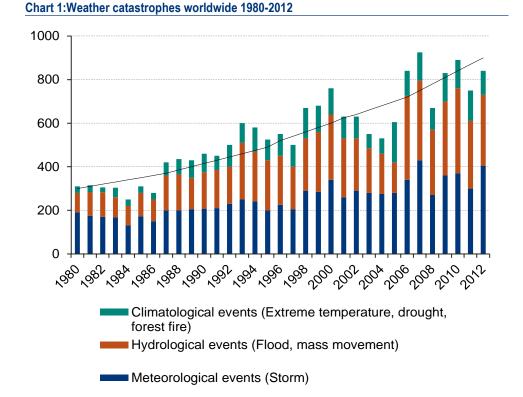






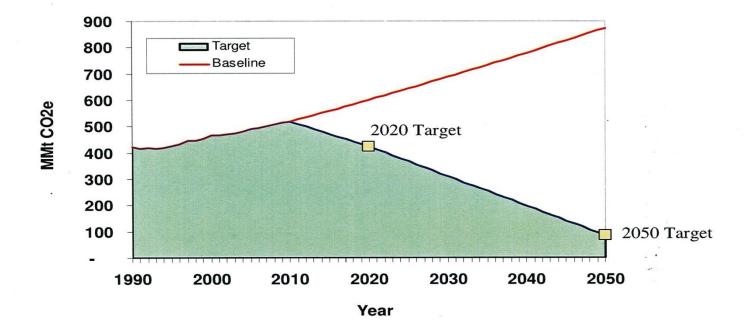


### More Extreme Weather

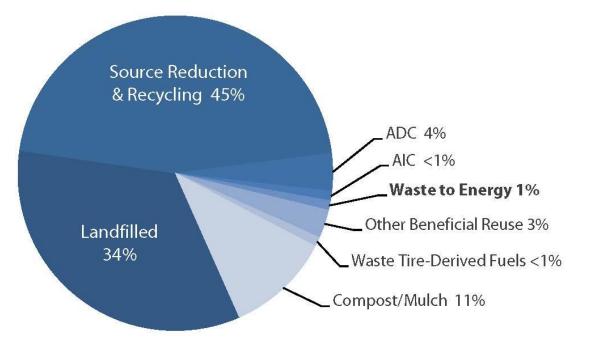


Source: Münchener Rückversicherungs-Gesellschaft, Geo Risks Research, NatCatSERVICE - As at January 2013

# 2020 & 2050 Greenhouse Gas Reduction Goals



#### Municipal Solid Waste Disposal in California in 2013



#### **European Union & EPA Hierarchy**



## Key Issues for Waste-to-Energy Conversion



- Outdated codes & statutes
- Threat to recycling
- Cheap landfilling
- Local siting concerns

### **Possible Next Steps**

- Technology-neutral, performance-based standards
- Revised waste disposal hierarchy with "energy conversion" and "dispersion"
- Higher landfill tipping fee
- Siting "safeguards"



#### WASTING OPPORTUNITIES

How to Secure Environmental & Clean Energy Benefits from Municipal Solid Waste Energy Recovery



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