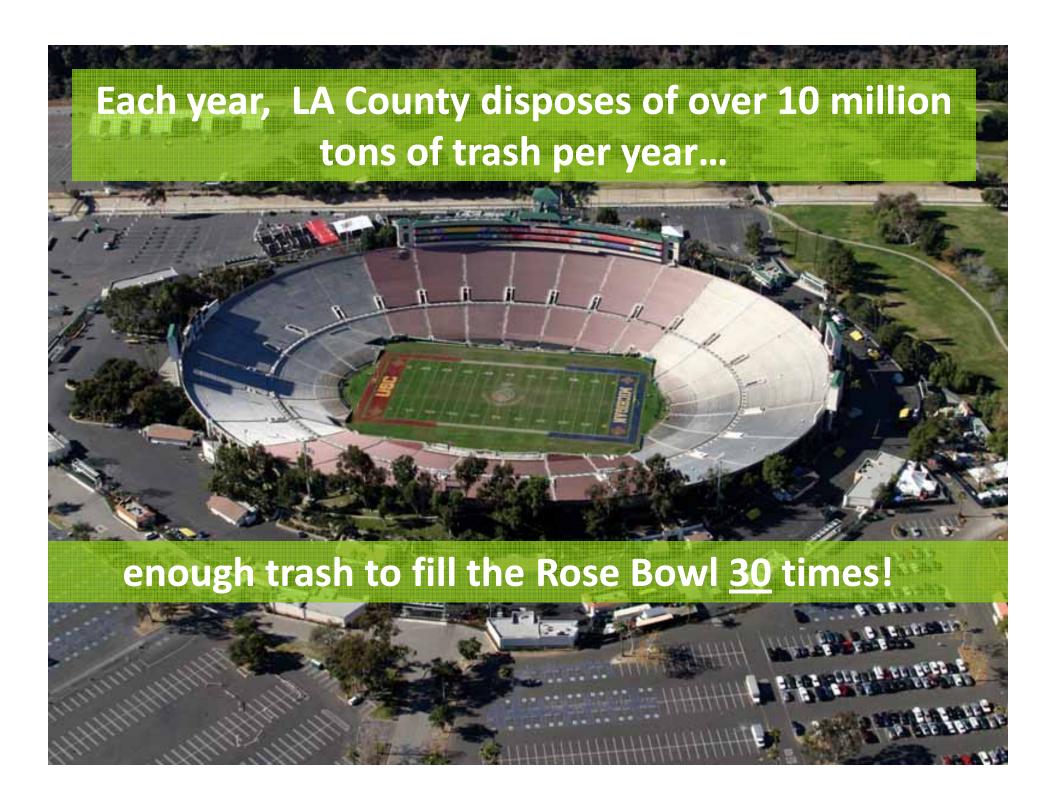
The Long-Term Promise of Conversion Technologies:

A Look at Project Development in Los Angeles County

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How waste is managed in LA County

 LA County has the largest and most complex solid waste management system in the country servicing the needs of over 10 million residents in 88 cities and 150 unincorporated areas

Infrastructure	
Permitted waste haulers – 120	Inert landfills – 12
Major MSW landfills (Class 3) – 7	C&D debris recycling facilities 44
Transfer Stations/MRFs – 29	Recyclers 350
Waste to Energy facilities – 2	Commercial composting 0

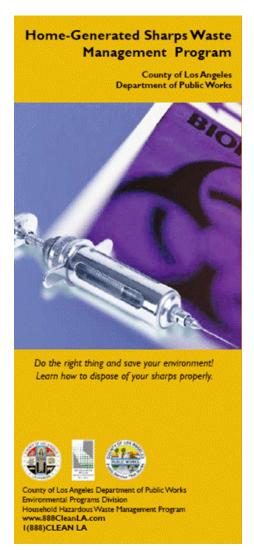
 Proactive and sustainable solutions are vital to addressing the environmental challenges faced by a jurisdiction of our size

What we do at Public Works

- Public Works wears multiple regulatory/administrative hats in dealing with solid waste management issues
- Assist the County Department of Regional Planning in drafting CUP conditions for solid waste facilities
- Staff the Los Angeles County Integrated Waste Management Task Force
- Compile solid waste management strategies for a 15year time period
- Develop/implement Countywide recycling and waste reduction programs

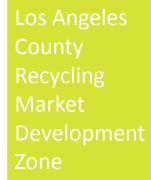
Recycling & Reuse Programs















Our diversified approach

Enhance/Increase Recycling and Waste Reduction Programs

Expand and Maintain Solid Waste Infrastructure

Conversion Technologies

Conversion technologies

 These technologies are a way to turn solid waste into useful products, green fuels, and clean, renewable electricity (non incineration processes)



 County is a national leader in the evaluation of conversion technologies

Benefits of conversion technologies



Reduce disposal and recover resources



Improve air quality





Promote new biofuels & energy independence

Obstacles to Development in California

Cost

- Most new CT plants have a large start up cost
- Landfill disposal is (currently) relatively cheap

Misconceptions

- Perception of CT as similar to incineration
- Perception that facilities will emit high levels of toxic emissions (esp. dioxins/furans)

Regulatory Hurdles

- Currently only incineration or composting technologies are clearly defined
- CTs are transitional technologies and have no clear permitting or regulatory pathway

County is on track to pioneer CT facilities in the U.S.

- Phased approach is a key to success
 - Includes collaboration with other agencies, municipalities, and stakeholders
- Phase I Initial evaluation of conversion technologies
 - Screen and rank conversion technology companies from around the world
 - Identify local material recovery facilities (MRFs) and transfer stations
- Phase II Develop shortlist
 - Four conversion technology companies and four sites



Board of Supervisors' Recent Approval

- On April 20, 2010, the Los Angeles County Board of Supervisors unanimously approved a motion to advance the County's conversion technology efforts
- Approved Initiating of two future phases:
 - –Phase III Demonstration projects
 - –Phase IV Commercial projects

Our findings

Economic

- Conversion technologies will be cost competitive with other alternatives such as waste-by-rail after PHL closes
- Public-private partnerships reduce risk and save taxpayers' money
- Projects are job creators (approximately 70-90 jobs per 10 MW of electricity produced)

Demonstration Commercial

- Pave the regulatory pathway for future projects
- Demonstration projects are opportunity to gather environmental, operating, financial data

Our findings

Environmental benefits

- Increase recycling through the advanced sorting techniques conversion technologies employ
- Conversion technologies are localized ways to achieve zero waste and we're not depending heavily on the volatility of the international recycling market

Three key benefits

- reduction of transportation emissions resulting from long distance shipping of waste;
- prevention of methane and other emissions from waste that would otherwise be landfilled; and
- displacement of the use of fossil fuels from the energy (fuel and electricity) produced by conversion technologies.

For more information



www.SoCalConversion.org