

Highlights of 2006 WTER Meeting

Prof. N. J. Themelis
Columbia University, Chair, WTER

- Presentations by 2006 WTER Industry Award recipient and by three top finalists for Industry Award
- Rate of generation of LFG in landfills
- Combustion vs co-combustion of MSW
- Carbon management for climate control
- Progress in metal recovery research

Highlights of 2006 WTERT Meeting

- Presentations by top management of European Confederation of WTEs
- An American visiting European WTEs
- Rethinking of ash management strategy
- Why is WTE accepted in most E.U. and Japan and still contentious in the U.S.?

Trashed

City Hall argues about how to handle
NYC's 50,000 tons of trash per day

— Full story on page 6

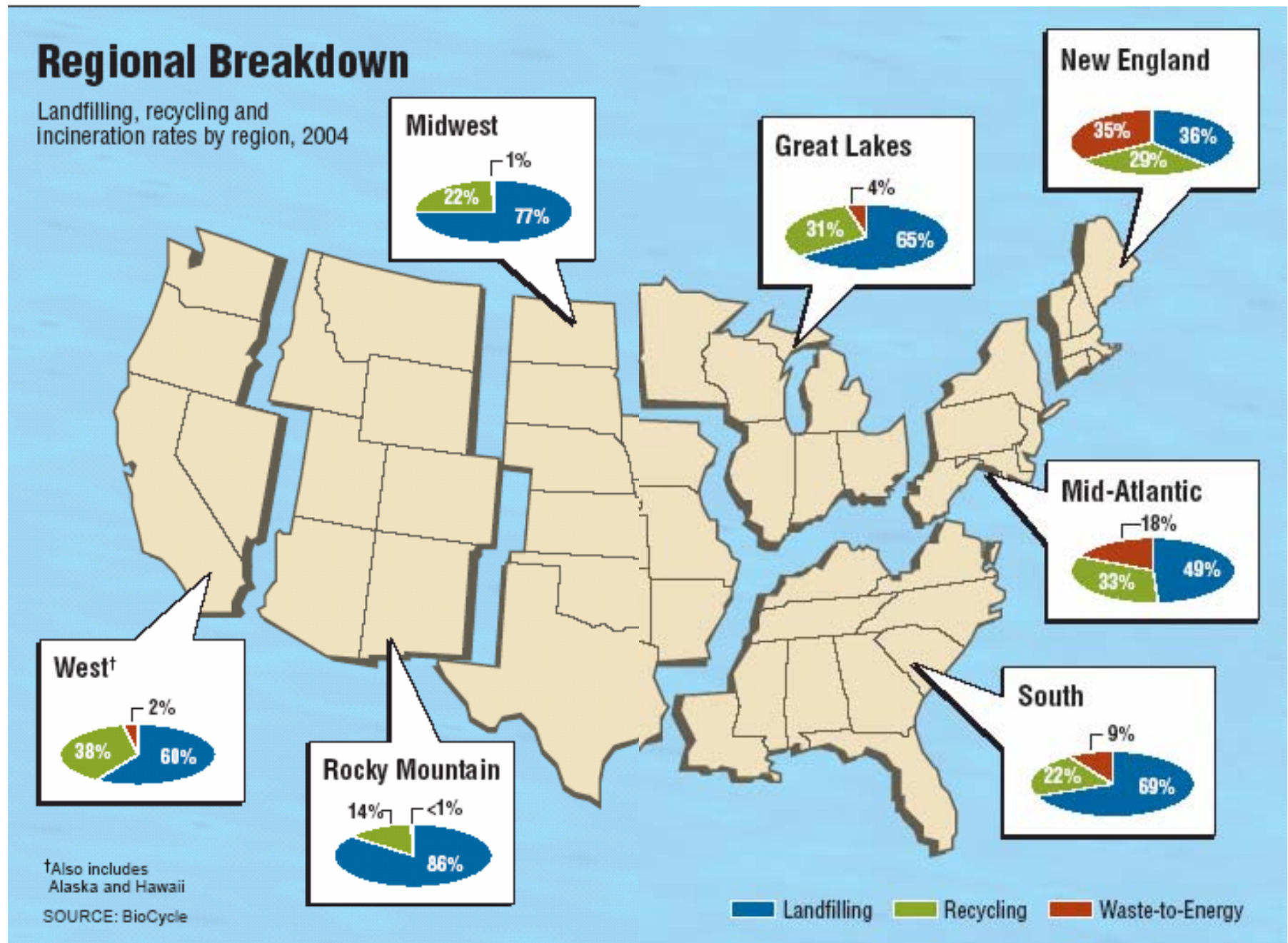


Spittelau WTE, Vienna



An Assault on Conventional Wisdom:

Columbia/BioCycle Survey of 2004 data (BioCycle, April 2006)



First outcome of EEC/BioCycle U.S. Survey (State of Garbage in America)

- Starting to develop a National Database of Recycling Data at Columbia University (First sponsors: EPA Region 3, EPA Region 9, Aluminum Association Inc.)

presentation today by Scott Kaufman

Qualifications for nominations to WTERT 2006 Education Award

- A person who has made an outstanding contribution to integrated waste management through his/her publications, inventions or other activity.

Qualifications for nominations to WTERT 2006 Industry Award

- A Waste-to-Energy facility that is amongst the best in the world, with regard to:
- Architectural design –esthetic appearance
- Recovery of energy (electricity **and heat**)
- **Level of emissions achieved**
- Metal recovery and beneficial use of ash
- **Acceptance of facility by host community**

The ten finalists in WTERT Industry Award

ASM Brescia Italy	SYSAV Malmo, Sweden	AEB Amsterdam Netherlands	Spittelau Vienna Austria	Covanta SEMASS, MA, U.S.A.
Covanta Montgo- mery Co. MD U.S.A.	Veolia SELCHP London U.K.	Veolia ES WTE Montgomery Co. PA, U.S.A.	Umea Energi, Umea Sweden	Veolia ES York Co, PA, U.S.A.

Emissions, mg/Nm³	Average of 10 WTEs	E.U. standard	WTEs as % of E.U. standard
Particulates	3.06	10	31%
SO₂	12.2	50	24%
NO_x	123	200	61%
HCl	7.88	10	79%
CO	26.3	50	53%
Mercury	0.01	0.05	20%
TOC	0.92	10	9%
Dioxins, ng TEQ/m³	0.02	0.10	21%



Fire at the service of society