Innovative Solid Waste Management Methods in Kansas



Joint Committee on Energy and Environmental Policy

Innovative Solid Waste Management Methods in Kansas

Recycling (Single Stream)
Composting

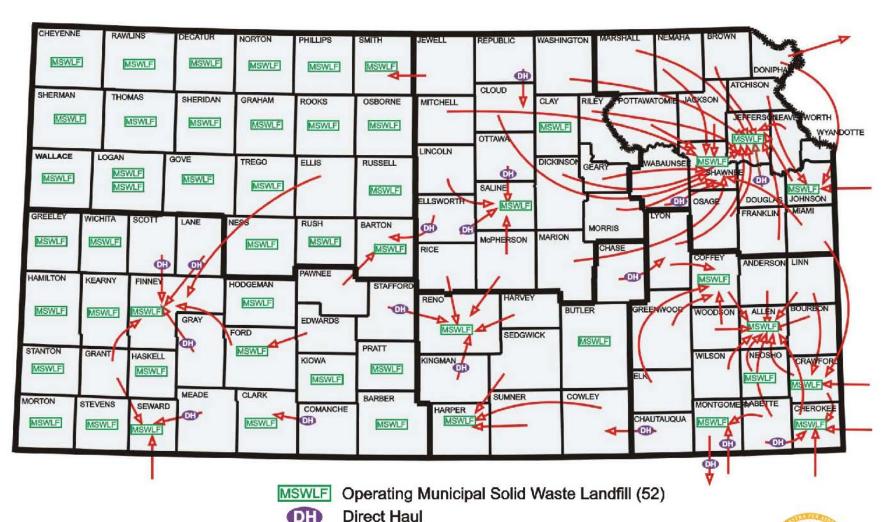
Landfill Gas Recovery

Enhanced Landfill Stabilization

Waste-to-Energy

Industrial/C&D Reuse

Municipal Solid Waste Management

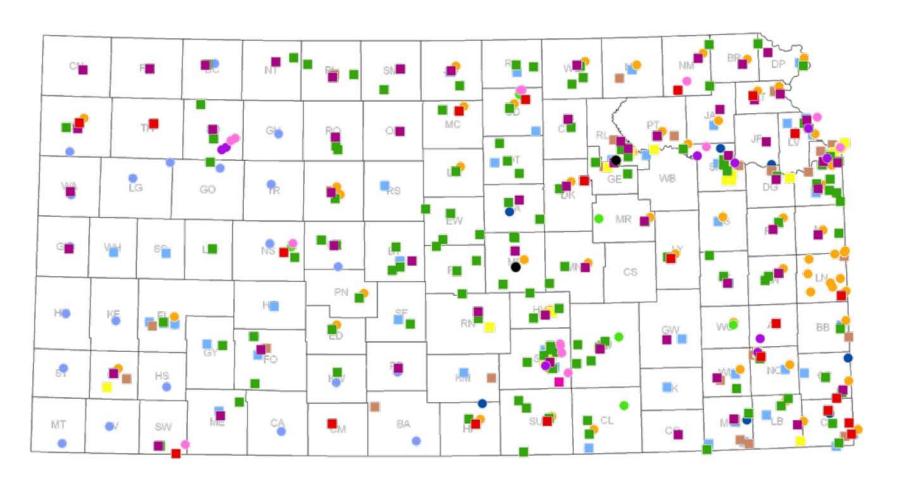


Our vision is 'healthy Kansans living in safe and sustainable environments'.

The state belongs to all of us - "Kansas Don't Spoil It"



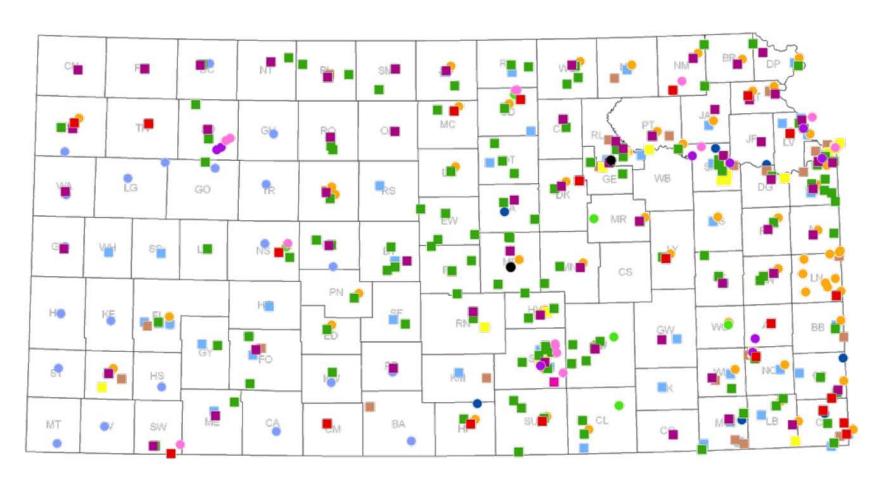
Permitted Solid Waste Facilities







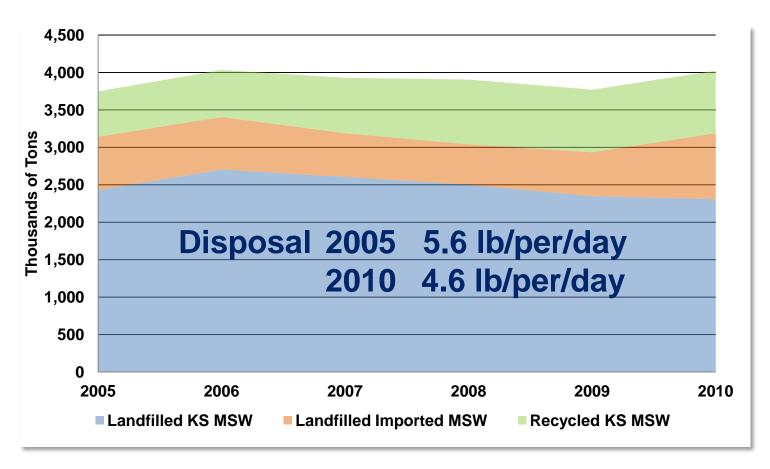
Permitted Solid Waste Facilities



Total Facilities (585)



MSW Recycling Continues Gradual Growth Disposal Gradually Shrinks





What is New in Recycling? Single Stream is Spreading



and Environment

Composting Diverts Over 150,000 Tons from Landfills





Landfill Gas Management



and Environment

Current Landfill Gas Recovery

<u>Use</u>

Seward County Landfill National Beef

Johnson County (Deffenbaugh) Pipeline

Rolling Meadows (Waste Mgt) Electricity

Oak Grove (WCA) Electricity

Brooks Landfill (Wichita) Ethanol Plant

Forest View (KC, KS) Direct Use

Coffey County Landfill Direct Use





and Environment





















Enhanced Landfill Stabilization

- Began in 2010 EPA approves Kansas program
- Overcome "dry tomb" scenarios
- Liquids addition
- Alternative final covers
- Benefits
 - **✓ Landfill stabilizes sooner**
 - ✓ Liquids enhance biodegradation/gas production
 - ✓ Revenue for landfill owner (gas and liquids disposal)
 - ✓ Settling yields more air space



















Direct Combustion of Waste With Energy Recovery

- Frito-Lay (Topeka)
- Ash Grove Cement (Chanute)
- LaFarge Cement (Fredonia)
- Various Alfalfa Driers































Other Innovative Waste Management Methods In Kansas







Asphalt Shingle Recycling

Bettis Asphalt

Topeka

Asphalt Sales

Olathe

R2R (Roof to Roof)

Olathe

Herzog

Elwood

Others









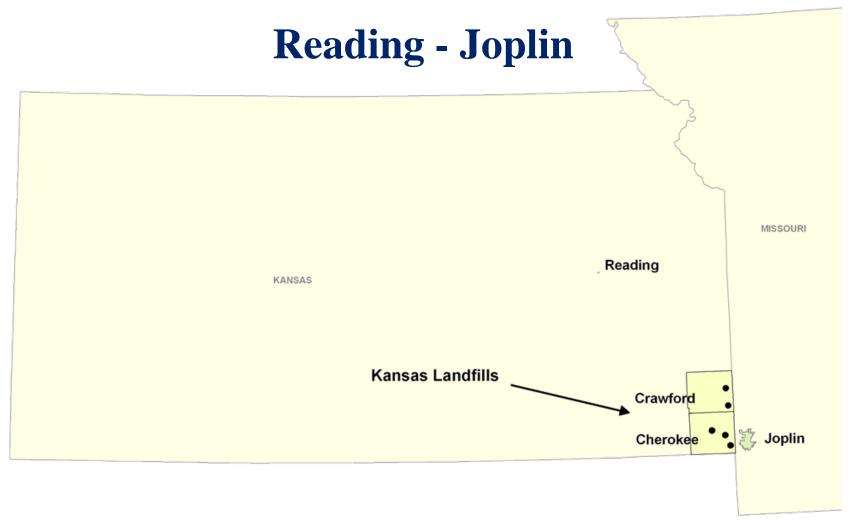








Managing Tornado Debris

















































Questions?



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