

Materials Management Advisory Committee Overlapping Responsibilities

- I. Database of permitted facilities (Infrastructure, Local Govt, Measurement)
 - A) Review information from IEPA's facility databases for accuracy
- II. Annualized estimate for statewide generation and diversion (Education, local govt, infrastructure, measurement)
 - A) Survey county solid waste managers and private waste haulers requesting waste generation data for 2018 at the place level as defined by the U.S. Census Bureau.
 - B) Create a database to store and analyze the collected waste generation data by unit of government, by the following collection streams: landfill disposal, recycling, composting, energy recovery, or incineration.
 - C) Create per capita generation estimates based on collected and compiled information. Furthermore, based on quality and level of data available statistically viable generation profiles be created for urban, suburban, and rural geographies.
 - D) Utilize IEPA data that pertains to materials that have been diverted such as landscape waste, food scraps, e-waste, HHW, and medical waste
- III. Recommended public outreach campaigns (Education and Local Govt)

Compile and evaluate existing Illinois and regional recycling or other diversion education programs. Programs may be at the municipal, county, state, or federal level. Effective programs include bilingual plainly worded messaging that targets households and accurately reflects the best diversion practices available within their community. Advertisements, direct contact through mailer or cart-tagging, and community meetings are examples of this. This evaluation will include:

- A) Identification of any areas in Illinois that are underserved by diversion education programs.
- B) Identification of any programs that had a demonstrable impact on increasing diversion of particular materials or the support for an expansion of existing recycling or other diversion services. The resources (or lack thereof) that led to this outcome should be noted.
- C) Identification of the funding models used, including whether grants were used and where those came from, and the entity that generated the educational material.
- D) Identification of the type of messaging that has demonstrated effectiveness, including a comparative examination of campaigns that highlight the (1) benefits of recycling; (2) instructions to properly recycle; (3) environmental hazards of not recycling or diverting

material; (4) the economic benefits of recycling/materials diversion; (5) the benefits of reducing waste generated/reusing materials in general; (6) a combination of any set of messages.

IV. Market analysis for diverted materials (Market Development, Infrastructure, Measurement)

- A) Review 2001 and 2010 Recycling Economic Information Studies prepared for DCEO to compile list of existing end markets for materials identified per report requirement #5.
- B) IEPA to circulate requests for information to Region V and VII colleagues for statewide market development surveys conducted within the last ten years.
- c) Evaluate the need to conduct a comprehensive recycling markets study, including an evaluation of the benefits of recycled content requirements, and develop the necessary award and funding documents to solicit external expertise for the study. Critical elements of the study include:
 - i) Determine whether the root cause(s) of market struggles are linked to the complete lack of end markets, the lack of localized end markets, or other procedurally internalized costs.
 - ii) Examine whether public or private entities in other areas of the country have successfully overcome similar barriers and evaluate whether those solutions could be replicated in Illinois.
 - iii) Evaluate any necessary legislative or regulatory enhancements necessary to adequately support markets for divertible materials generated in Illinois.

V. Recommended materials for diversion (Entire Committee)

- A) Rethink (waste minimization) repair and share cultures (reuse), source reduction (list materials that would be good targets for source reduction, ie. clothes), recovery, etc.
- B) Evaluate current landfill diversion options and recommended enhancements to improve/increase diversion opportunities.
- C) Identify what markets are currently available and viable in Illinois and other Region V and VII states, also assess what markets might be reasonably available in the future
- D) Work with Illinois Product Stewardship Council and research successful extended producer responsibility legislation that may be able to be implemented in the future for Illinois

E) Work with manufacturers and producers of end product compost and the Illinois Food Scrap Coalition to evaluate and identify what types of materials are best suited to recovery

VI. Recommended actions to increase diversion (Entire Committee)

A) Evaluate existing MRF and compost facility capacities to determine any capacity, equipment, or technology issues that could be addressed to augment constructed diversion options.

B) Evaluate the status of proposed facilities and the potential need for new processing facilities

C) Identify impediments to curbside collection and develop recommendations to overcome those impediments

D) Evaluate the role of federal, state, and private support in providing infrastructure funding to upgrade existing infrastructure or develop new infrastructure

VII. Recommended diversion rates (Entire Committee)