



**Forward**

**WASTE PLANNING**

**2044**

**SolidWaste**  
Cedar Rapids - Linn County  
**Agency**

# Goals & Objectives

with Infrastructure Options Analysis Criteria

8/2/21



# GOALS & OBJECTIVES

## Goal #1

Agency will amend terms of the 28E Agreement to provide integrated solid waste management services beyond 2044.

Objectives:

- A. Programs and facilities will consider proven, innovative technologies for reuse, recycling and disposal to reduce the amount of material landfilled.
- B. The Agency's future programs and facilities will focus on conservation of resources, management of costs, and minimization of environmental impacts.
- C. The Agency's future programs and facilities will address airspace needs beyond the permitted capacity.
- D. The next generation of materials management programs and facilities will provide services at competitive rates that align with community and Agency needs, and the practices of the U.S. solid waste industry.

## Goal #2

Then next generation of materials management programs and facilities will increase focus on targeted waste streams such as commercial/industrial sector, construction & demolition debris, and organics waste.

Objectives:

- A. Given the significant balance (~70%) of the Agency's waste stream received from commercial/industrial sector in Linn County, solid waste diversion/reduction programs and facilities will focus on materials common to industry.
- B. Programs and facilities will support generators of construction and demolition debris, by promoting the development of end markets.
- C. Programs and facilities will increase management of organics/food waste, accounting for a significant portion of greenhouse gas emissions at the landfill.
- D. Linn County and City of Cedar Rapids leaders will support implementation of policy measures that support waste reduction, reuse and recycling efforts.



### Goal #3

The Agency will implement a public education and interface platform that allows for transparent communication of information on the Forward 2044 waste planning effort for access by the general public throughout Linn County.

#### Objectives:

- A. Public education and outreach via readily available platforms (website and social media) will convey a clear, consistent message on the long-term waste management evaluation process, costs of each option and possible outcomes.
- B. Create a public understanding of the current and future status of the Agency's integrated solid waste management system promoting engagement and involvement in the Forward 2044 waste planning process.

### Goal #4

The Agency will evaluate odor mitigation options for the composting operations at Site 3 to limit concerns expressed by the Board.

#### Objectives:

- A. Identify options that further mitigate odors produced with composting operations at Site 3. Consider overall composting means and methods.
- B. If an alternative technology is selected for management of organic waste, composting operations will be considered in future infrastructure development.
- C. Consider relocation of Site 3 composting operations if operational and/or facility improvement options are not viable due to cost, volume constraints or limitations on growth of the program.



## Infrastructure Options Analysis Criteria

Based on the Goals and Objectives developed from the feedback received at the Agency Board Workshop on June 23, 2021, the following criteria will be used to analyze infrastructure options as part of the Forward 2044 Waste Management System Evaluation.

### Criteria:

- A. Cost to Plan, Permit, Construct and Startup – Options should limit the need for bonding to finance planning, permitting, construction and startup of facilities.
- B. Timeline to Plan, Permit, Construct and Startup – The most recent airspace calculation at Site 2 indicates availability through 2038; therefore, technologies/facilities considered need to meet a timeline to plan, permit, construct and startup of 15 years or less.
- C. Proven Technologies – Technologies/Facilities must be commercially operational (5 years of successful, at-scale operation) in the United States to be considered.
- D. Waste Processed – Technologies/facilities to be considered must be able to manage the materials that make up the largest portions of the Agency's and/or region's waste stream.
- E. Waste Volume Alignment - Technologies/facilities to be considered can manage the projected volumes (Agency or regionally) of the waste stream for which that program or technology is dedicated.