

## **Technical Frequently Asked Questions Waste Diversion Management Solutions**

### **What is the purpose of the waste diversion management solution topic area?**

A pilot demonstration under the waste diversion management solution topic area will evaluate different low-emission, high-efficiency systems designed to optimize organic waste processing while minimizing environmental impact. Examples of such waste diversion management solutions may include biochar production, composting, anaerobic digestion, and other methods for processing organic waste.

### **What kind of feedstock will be used for this pilot demonstration?**

The primary feedstock will be yard waste collected from Miami-Dade County, including tree trimmings, grass clippings, and other organic material. Challenge Winners will not be responsible for sourcing feedstock.

### **What development stage should the waste diversion systems be at?**

Systems proposed under this Public Innovation Challenge should be validated in a relevant environment, without needing further research or testing. They should demonstrate near full-scale operation, proving practical use and efficiency in converting organic waste into a beneficial by-product (e.g., converting yard waste into biochar or compost).

### **Where will the pilot demonstration take place?**

The pilot demonstration will be conducted on a site managed by Miami-Dade County. Depending on the technology deployed as part of the pilot, environmental research and testing may be conducted to determine long-term feasibility of the piloted technology.

### **Do proposed systems need to operate on standard site utilities?**

All proposed systems must work with the site's existing utilities, including electricity, water, and wastewater. Applicants must specify their utility needs in the application. If a required utility is unavailable on-site, the proposer must suggest a potential source for it during the pilot demonstration.

### **Are there restrictions on system size and footprint?**

Proposed systems must be modular or designed for low-footprint assembly on-site. Systems must fit within the designated demonstration area and comply with zoning and site requirements.

### **What emissions controls are required?**

All systems must meet local, state, and federal environmental quality standards (e.g., impact to air, waterways, etc.), including those set by Miami-Dade Department of Environmental Resources Management (DERM) and the Florida Department of Environmental Protection (FDEP).

### **What permits are required to participate in this pilot demonstration, and who will be responsible for obtaining approvals?**

Pilot demonstration participants may need to obtain specific approvals based on the proposed system. Proposers must be knowledgeable about and prepared to secure all relevant regulatory

permits required for operating the system in a controlled pilot demonstration environment in Miami-Dade County. MDIA and the Challenge Host will collaborate with Challenge Winners to determine which approvals may be necessary.

**What are the logistical considerations for initial pilot demonstrations concerning staff and site access requirements?**

It is recommended that personnel from the proposer's company, including any potential subcontractor arrangements, conduct the pilot demonstration. Further details will be provided to the Challenge Winner, including necessary requirements (e.g., insurance) to gain site access.