

Lee County Integrated Waste Management System Expansion Project

Status Update to Lee County Board of
County Commissioners
December 6, 2016

Purpose of Presentation

Purpose of Presentation: Provide status of Solid Waste Master Plan Project as approved by the BoCC on April 5, 2016

- County population and waste volume projected to increase
- Existing system capacity will be exceeded soon
- Need long-term planning for permitting, financing, property acquisition, and system changes

Outcome of Project: Assist BoCC establish policies for solid waste management and financial planning through 2030

Project is Approximately 50% Complete

Project includes 15 Tasks that are data and technology driven and build on one another to support alternatives for phased system improvements to meet projected demands.

Ongoing Tasks

- Data Gathering
- Waste Characterization
- Review Current System
- Identify Costs by Activity vs. Materials
- Neighboring Counties

- Comparing County System to Others
- County Needs and Forecasts
- Evaluate Alternative Technologies
- Identify System Alternatives

Pending Tasks

- Analyze System Options
- Evaluate Rate Impact
- Basis of Design Report
- BoCC Workshop

Preliminary Observations

Waste Characterization Study identified opportunities:

- For targeted education and outreach to businesses and residents
- To reduce Municipal Solid Waste (MSW) flow by diverting cardboard, plastic, bulky waste (such as furniture or appliances)
- For organics diversion

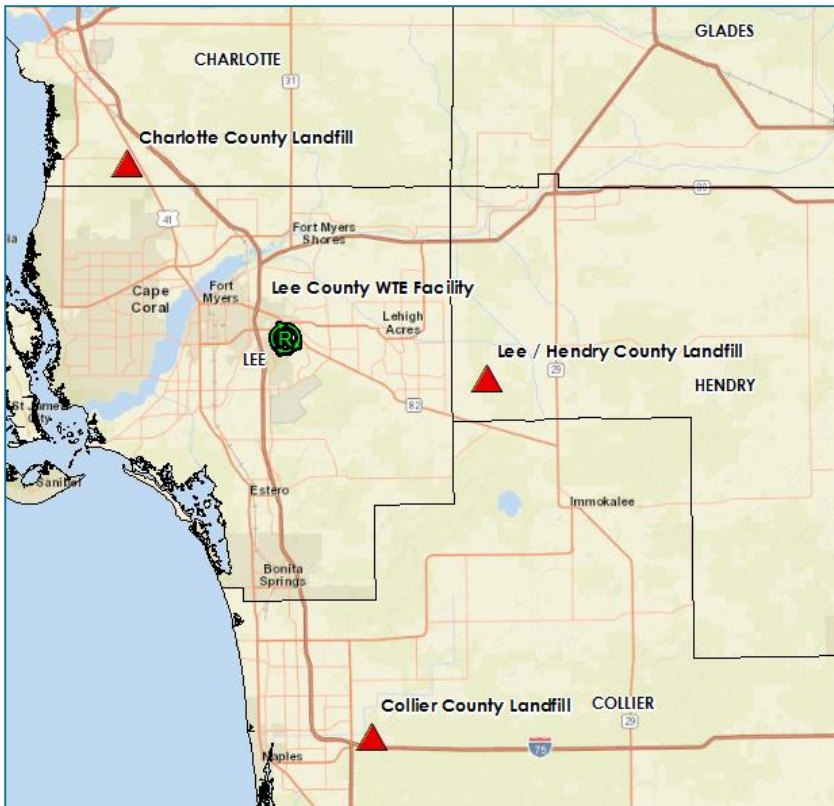
Comparing Lee County to Others:

- Mature system – efficient, but needs to grow to meet future demand
- Will require step increases to manage growth once maximum capacity needs are identified

Preliminary Observations

Neighboring County Opportunities:

- Limited opportunities for mutual support with Charlotte County (dispose of Lee Municipal Solid Waste (MSW) / process Charlotte County recyclables)
- No opportunities for significant regional partnerships were identified



Growth Trends

Municipal Solid Waste (MSW) vs. Population

Year	Growth Rate	
	Municipal Solid Waste	County Population*
2016 – 2019	4.4%	2.7%
2020 – 2023	3.2%	2.6%
2024 – 2036	2.1%	2.3%

* County population growth rate developed using data provided by Lee County Department of Community Development

- Addressing short term trends in waste growth with continued business cases for good management practices
- Exceed reliable capacity FY19
- Typically requires 8 – 10 years to plan, permit, build significant capital assets

Next Steps

- Complete pending tasks:
 - Analyze System Options
 - Evaluate Rate Impact
 - Basis of Design Report
 - BoCC Workshop
- Next update to Board of County Commissioners:
 - Present System Options
 - Review Financial and Policy Implications
- BoCC workshop beginning of February 2017 (prior to CIP/rate workshops)

Lee County Integrated Solid Waste Management System Study

Municipal Solid Waste Projections

