

# SHOW ME THE MONEY!

*How the Triple Bottom Line Guides  
Decision-Making*

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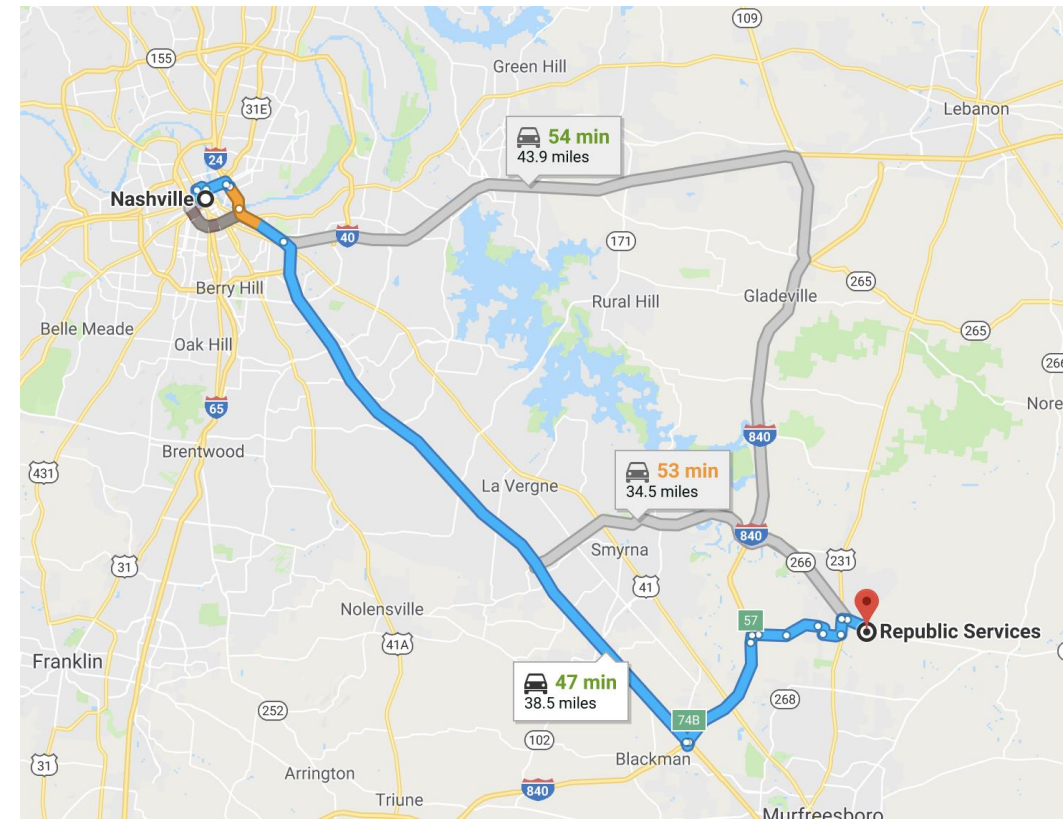


# AGENDA

1. Air Space Shortage
2. Triple Bottom Line of Recycling
3. Solid Waste Master Plan
4. Other Examples

# AIR SPACE SHORTAGE

- **54%** of Davidson Co waste - Middle Point Landfill in Rutherford County, **40 miles**
- Currently dispose 2,400 tpd
- Middle Point - highest volume of waste in TN



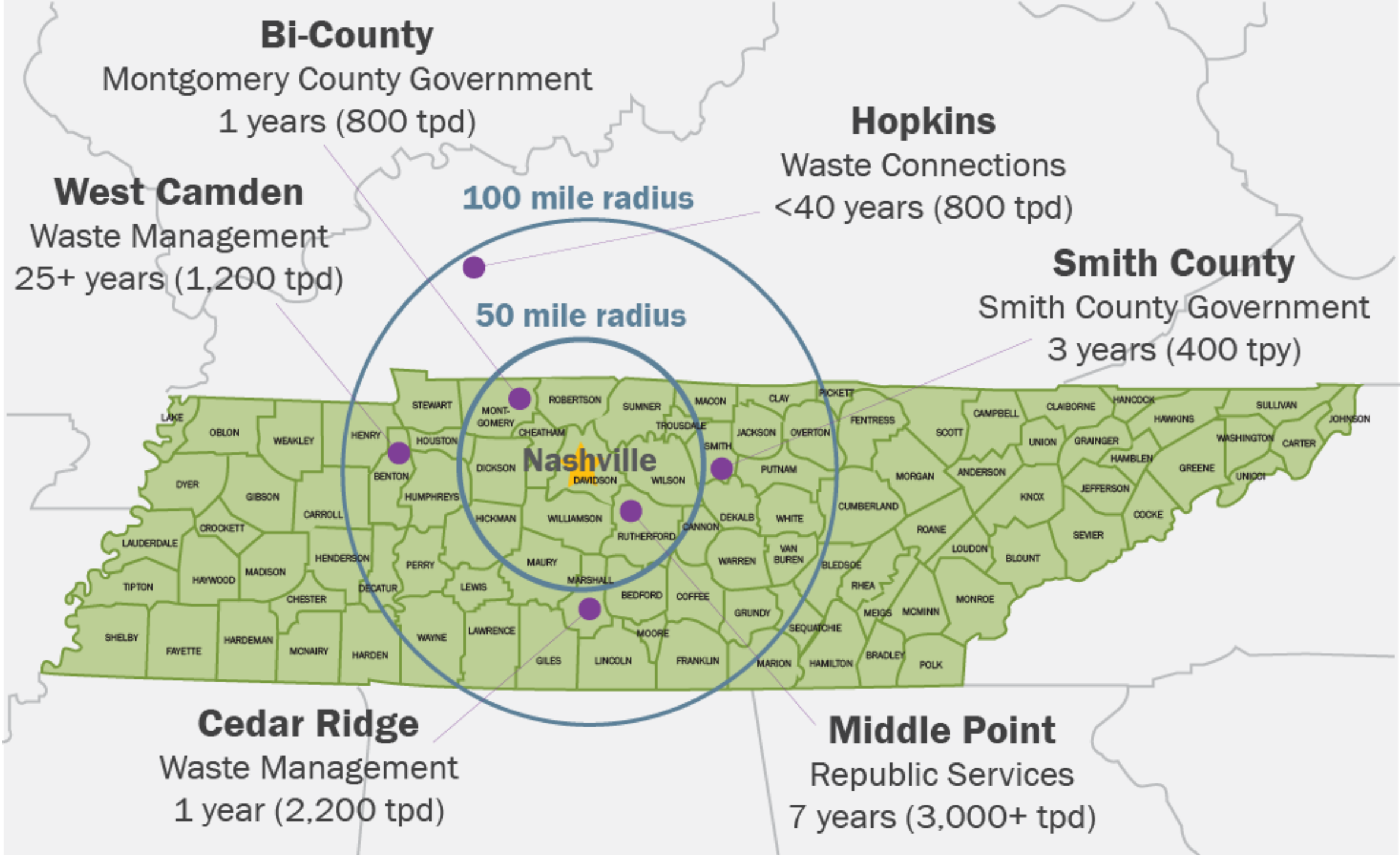
# AIRSPACE SHORTAGE

Early this year, the Rutherford County Commission voted against expanding their landfill – leaving it with about **8 years of remaining capacity**



**Closest landfill  
expected to close by  
2026**

**WHY DOES IT  
MATTER?**



# IMPLICATIONS

- Davidson County uses 1/3 of all surrounding counties' landfills, we have 12 years.
- The best alternative option is twice as far as Middle Point at 95 miles away from Nashville
- Surrounding counties face the same problem

WE HAVE TO  
RETHINK HOW  
OUR BUSINESSES  
AND  
MUNICIPALITIES  
OPERATE



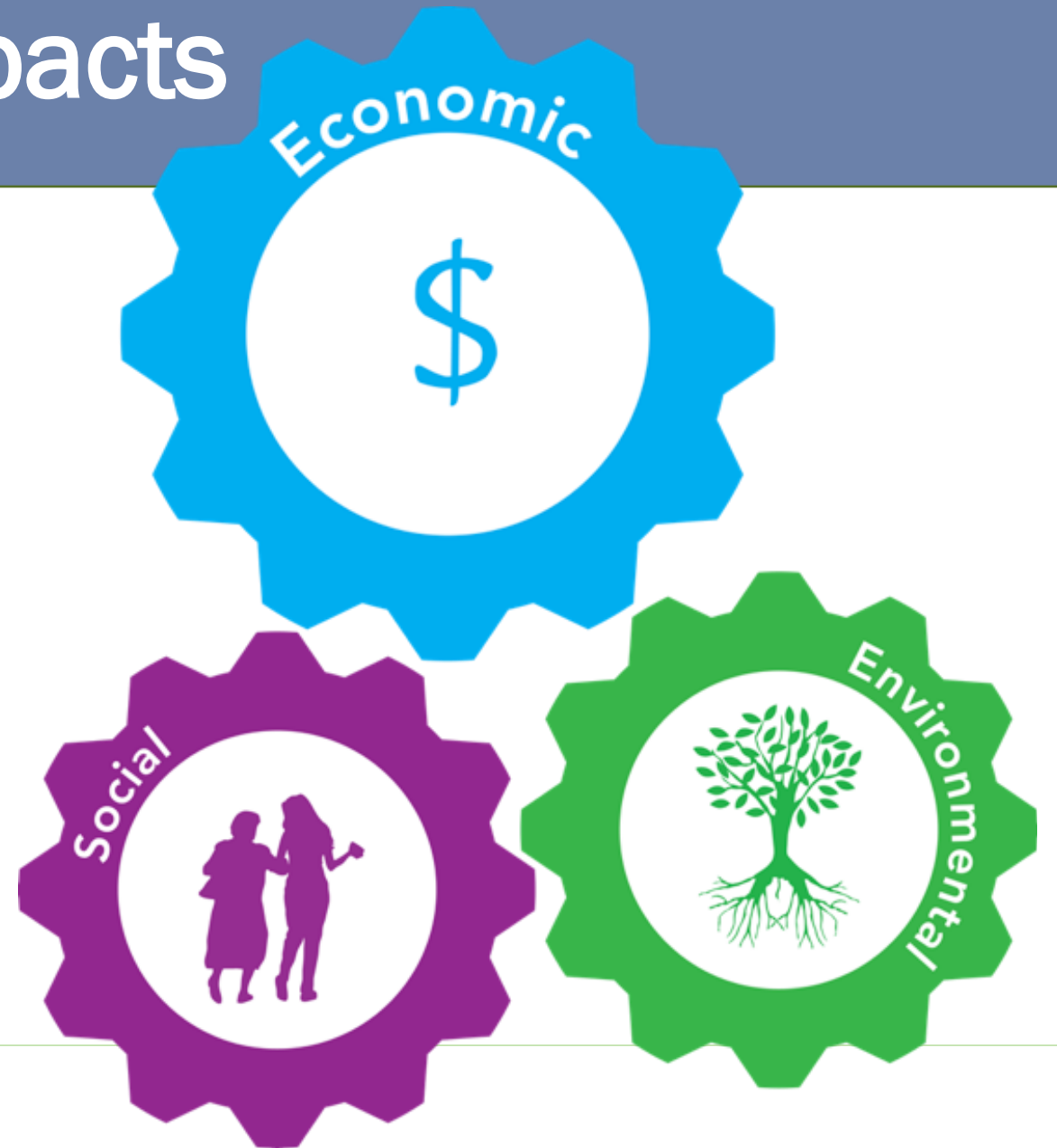
In 2017, **19%** of  
waste generated  
was **recycled** in  
Davidson Co

TRIPLE



THE BOTTOM LINE OF  
RECYCLING

# Triple Bottom Line Impacts



# TRIPLE BOTTOM LINE APPROACH

## WHY?

Economic, social and environmental costs and benefits:

- Support decision-making process
- Long-term planning
- LCA of operations
- Tax payers or shareholders understand spending
- Communicate budget needs



# TRIPLE BOTTOM LINE ANALYSIS

## ECONOMIC

- Disposal costs
- Beneficial reuse
- Revenue

## SOCIAL

- Public health
- Social justice
- Employee engagement
- Consumer loyalty

## ENVIRONMENTAL

- GHG and CAP emissions
- Resource use
- Embodied energy
- Waste generation

# SOLID WASTE MASTER PLAN

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## COUNTY-WIDE ZERO WASTE GOAL

Infrastructure, education  
and policies to reach  
90% diversion from the  
landfills



# SOLID WASTE MASTER PLAN

## ECONOMIC

- Job creation
- Tip fees as a source of revenue
- Attracting recycling and manufacturing
- Landfill closure uncertainty





# SOLID WASTE MASTER PLAN

## SOCIAL

- Social justice: nuisance odors, truck traffic, and pollution
- Donations to address food insecurity
- Community involvement
- Attracting and retaining workforce

Potential to  
donate  
**13M**  
meals per year

# SOLID WASTE MASTER PLAN



## ENVIRONMENTAL

- Embodied energy
- Resource use
- Soil health
- GHG and criteria air pollutant emissions

# RESULTS

## Evidence-based benefits that:

- Aid decision making
- Evaluate feasibility of project
- Quantify hidden costs and intangible benefits
- Justify future spending
- Ensure accountability by public sector
- Promote spending transparency



# OTHER TBL RESULTS

- Water storage tank
- Park improvements
- Greenways

1:2

1:7

1:8

# QUESTIONS?

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