



SCS ENGINEERS

Rural Iowa Hub & Spoke Recycling Project



IOWA DEPARTMENT OF
NATURAL RESOURCES

Project Background

Why Hub and Spoke

- Rural recycling underserved and underutilized
 - participation
 - convenience
- Rural recycling efficiencies
 - modest volumes
 - transportation

Project Background

- Desire to improve and expand rural recycling
- Iowa's deposit container law
- Iowa House proposed bill
 - “To develop a hub and spoke recycling program to create regional recycling processing centers in large communities and encourage small communities to deliver recyclables to the centers”

Project Background

What We Knew vs. What We Didn't Know

- Interest in improving rural recycling
- A wide variety of recycling programs exist in the state
- Little consistency between recycling programs

Project Background

What We Knew vs. **What We Didn't Know**

- Number and location of recycling facilities (particularly private)
- Materials accepted
- Collection program type (single stream, dual stream, drop-off, etc.)
- Quantities of material collected / recycled
- Collection, transportation and processing capacities
- Haulers
- Etc.

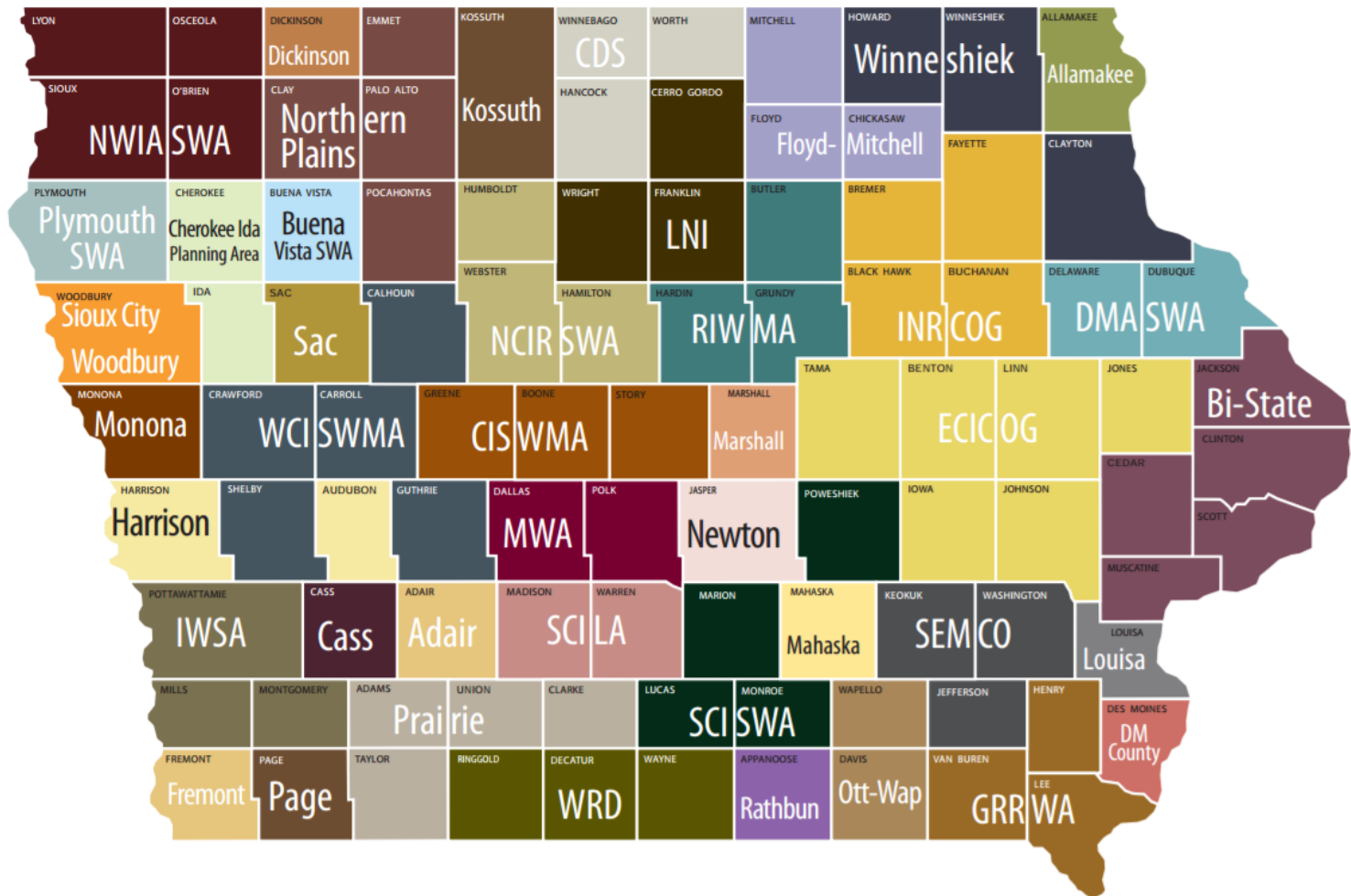
Project Purpose

- Assess feasibility of creating rural partnerships with a Hub & Spoke type system
- Increase rural recycling participation
- Maintain and improve rural recycling efficiencies and economics

Michelle Leonard
SCS Engineers

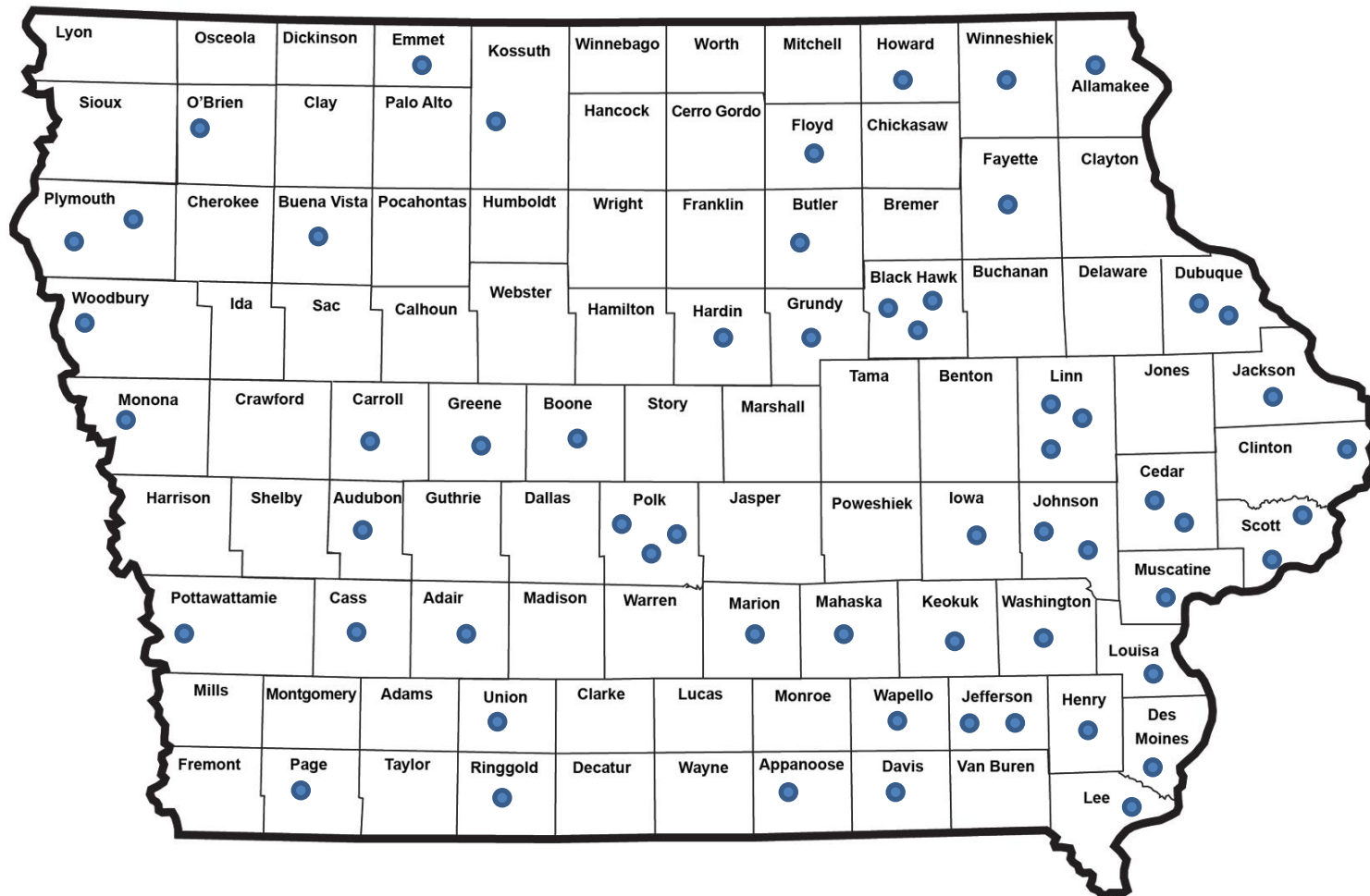
So What's Next

Solid Waste Comprehensive Planning Areas



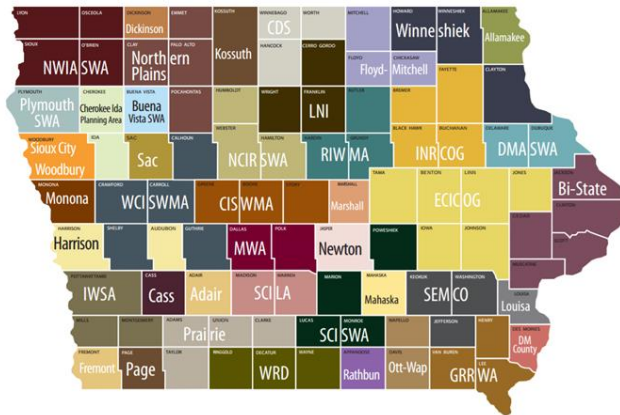
So What's Next

Recyclable Materials Processors

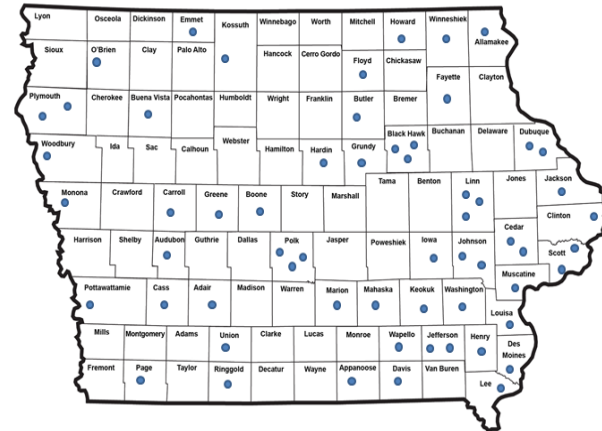


So What's Next

Solid Waste Comprehensive Planning Areas



Recyclable Materials Processors



- Analyze study data to identify logical, data driven partnerships
- Identify and gather service providers – public, private, non-profit
- Present and discuss partnership options
- Demonstrate economic modeling

What Do We Want At The End?

To have a solid waste management system that provides benefit to lowans, rural and urban, and conserves resources while ensuring sustainable recycling service and environmental and economic savings

Thank You

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