Zeroing in on Waste

Technical Assistance to NC Businesses

Division of Environmental Assistance & Customer Service & Waste Reduction Partners

NC DEQ Division of Environmental Assistance & Customer Service

- Technical assistance to help NC businesses zero in on waste
- Voluntary and free

RBAC

Waste Reduction Partners

20th Anniversary

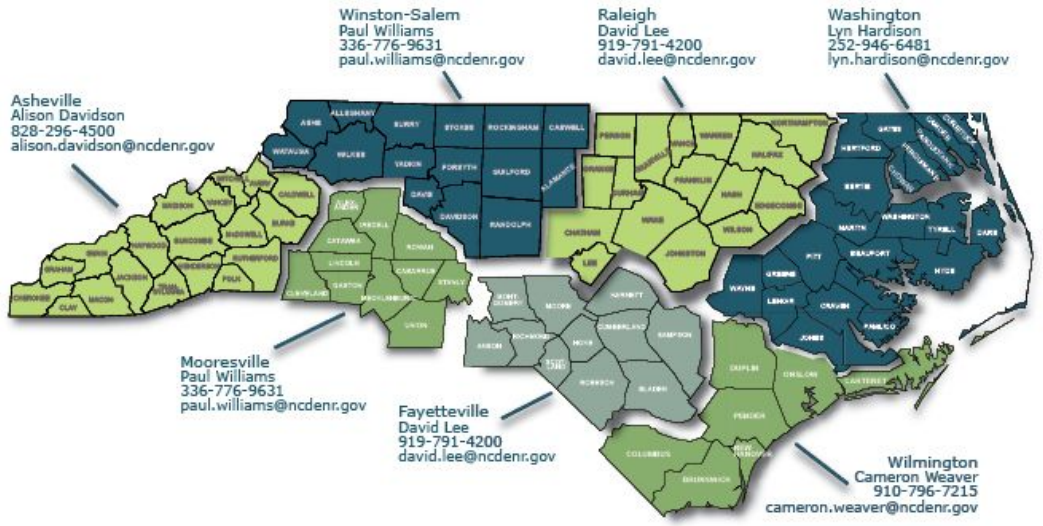
NC Environmental Stewardship Initiative

www.ncesi.org

N.C. DIVISION OF ENVIRONMENTAL ASSISTANCE AND CUSTOMER SERVICE

Environmental Assistance Coordinators

- Non-regulatory liaison with client and DEQ regulatory staff
- Provide customized permit assistance and coordination
  - Tailored permit lists
  - Timeline development
  - Application tracking
  - Coordinate DEQ SEPA
  - Coordinate Express, pre-application, multi-agency permit scoping and compliance assistance meetings
- Provide specific info for site selection evaluation
- Assist with environmental questions on “Requests for Information”
- Identify opportunities to leverage NC tax certification program



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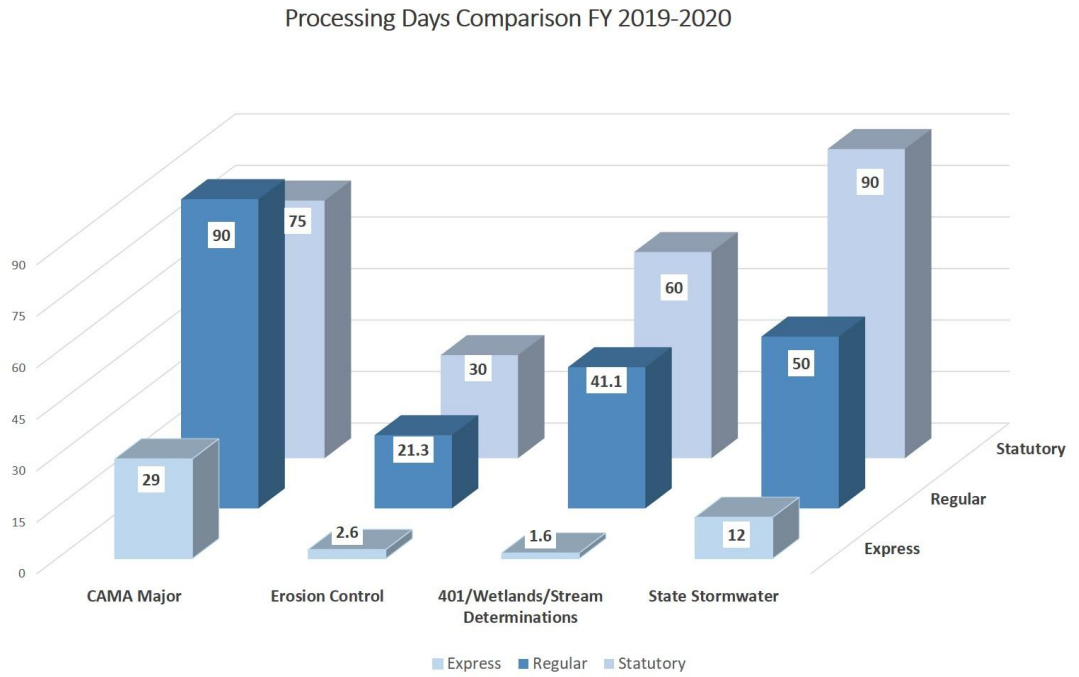
Express Permitting

- Offers more timely review process for environmental permits required for development
- Includes consultation to identify necessary environmental requirements
- Requires pre-application meeting
- Expect higher fee for expedited permit
- Express program options:



- Coastal Area Management Act-Major Permits (DCM)
- Coast State Stormwater Permits (DEMLR)
- Erosion and Sedimentation Control Plans (DEMLR)
- Wetland Certifications/Stream Determinations (DWR)

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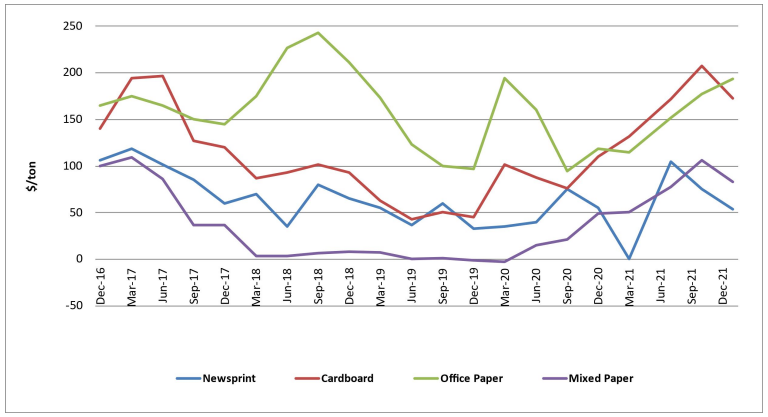
Recycling Business Assistance Center

RBAC

- Works directly with EDPNC to recruit new recycling industry
- Provides market research
- Assists in sourcing recyclable materials and organic matter
- Offers Recycling Business Development Grants
- References additional funding sources such as loans and venture capital opportunities
- Develops and distribute Recycling Works Newsletter: recycling topics, financing opportunities, commodity market updates, new technologies
- Manages NC Recycling Markets Directory and Waste Trader



NORTH CAROLINA RECYCLING MARKETS DIRECTORY

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Waste Reduction Partners

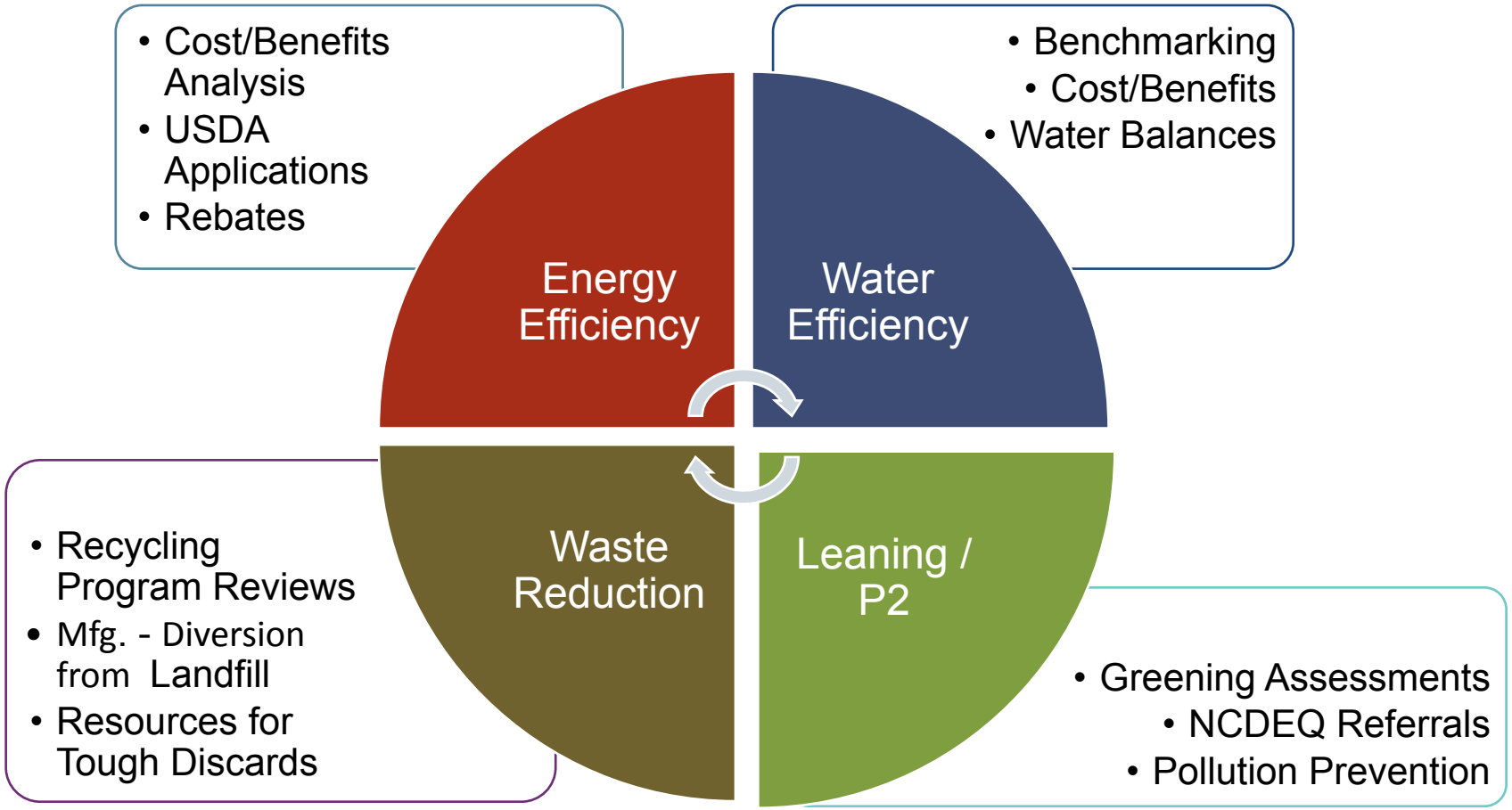
- Innovative Partnership between NCDEQ & COGs – Land of Sky Regional Council
- Non-regulatory
- Typically no cost
- Assisting facilities to improve environmental and energy management through efficiency techniques that save money
- Conducts on-site assessments and provides cost saving strategies and resources

WRP Volunteers

- Retired business professional and staff
- Engineers
- Scientists
- 40 field team members across the state
- Recycling “Brain Power”
- 2,300 years experience
- Passionate about providing assistance

Waste Reduction Partners

WRP Technical Services Offerings 2022



Waste Reduction Partners

Solid Waste Services

- Comprehensive or targeted assessment
- Written report of strategies for waste reduction
- Research most appropriate recyclers
- LEANing approaches
- Waste sort assistance

Waste Reduction Partners

www.wastereductionpartners.org

Waste Reduction Partners

North Carolina

BUSINESS LEADERS

Use Recycled Content

UNIFI

Yadkinville, N.C. — Yadkin County

PRODUCTS
Performance fiber made from 100% recycled material

MARKET
More than 800 brands across the globe

DIVERSION
More than 26 billion plastic bottles recycled

BUSINESS STORY

Unifi, Inc. is a global textile solutions provider and one of the world's leading innovators in manufacturing synthetic and recycled performance fibers. Unifi is headquartered in Greensboro, N.C., and has manufacturing facilities in Yadkinville,

HOW RECYCLED PLASTIC BOTTLES BECOME FIBER

Unifi sources bottles across the globe in partnership with communities and Material Recovery Facilities. Next, they chop, wash and melt the bottles at the

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BUSINESS LEADERS

Using Recycled Content

JACKSON PAPER MANUFACTURING

Sylva NC , Jackson County

PRODUCTS
100% recycled and Forest Stewardship Certified (FSC) paper

MARKET
Corrugated box makers throughout the United States

DIVERSION
diverts approximately 109,000 tons of cardboard from the landfill every year

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North Carolina

BUSINESS LEADERS

Use Recycled Content

ArdaghGroup

Henderson, N.C. — Vance County
Wilson, N.C. — Wilson County

PRODUCTS
Glass bottles and jars

MARKET
Food and beverage industry

RECYCLED CONTENT
Averaging 40% recycled content in the glass manufacturing process

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North Carolina

BUSINESS LEADERS

Use Recycled Content

axjo AMERICA

Conover, N.C. — Catawba County

PRODUCTS
Injection molded products from recycled plastic

MARKET
Telecommunications, Cable and Wire Processing

DIVERSION
The Conover location diverts roughly 2,750 tons per year, and globally Axjo diverts more than 5.8 million tons

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www.wastereductionpartners.org

Waste Reduction Partners

Environmental Stewardship Initiative

- DEQ recognition program
- Promotes and encourages superior environmental performance
- Voluntary program; no cost
- Going beyond compliance while conserving natural resources and resulting in economic benefits
- Over 200 member sites

2020 ESI MEMBERS' REPORTED RESULTS			
REDUCTIONS	Air Emissions	498	Tons
	Greenhouse Gas Emissions*	22,320	Metric Tons CO_2e
	Hazardous waste	723	Tons
	Landfilled waste	32,268	Tons
	Energy	8,203,092	MMBtu
	Water Use	1,290,141,538	Gallons
	Material Consumption	600	Tons
	Wastewater Pollutants	6,730	Tons
	Wastewater Volume	1,029,291,748	Gallons
REUSE	Biomass Recovery**	86,620	Tons
	Total Recycled Volume	341,881	Tons
TOTAL COST SAVINGS $ 7,193,816			

20th Anniversary

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Environmental Stewardship Initiative

Benefits & services include:

- Technical assistance
- Networking
- Recognition
- Electronic Newsletter
- DEACS Coach
- Trainings
- Benchmarking Events
- EMS Assistance
- Steward Forum
- ESI Listserv

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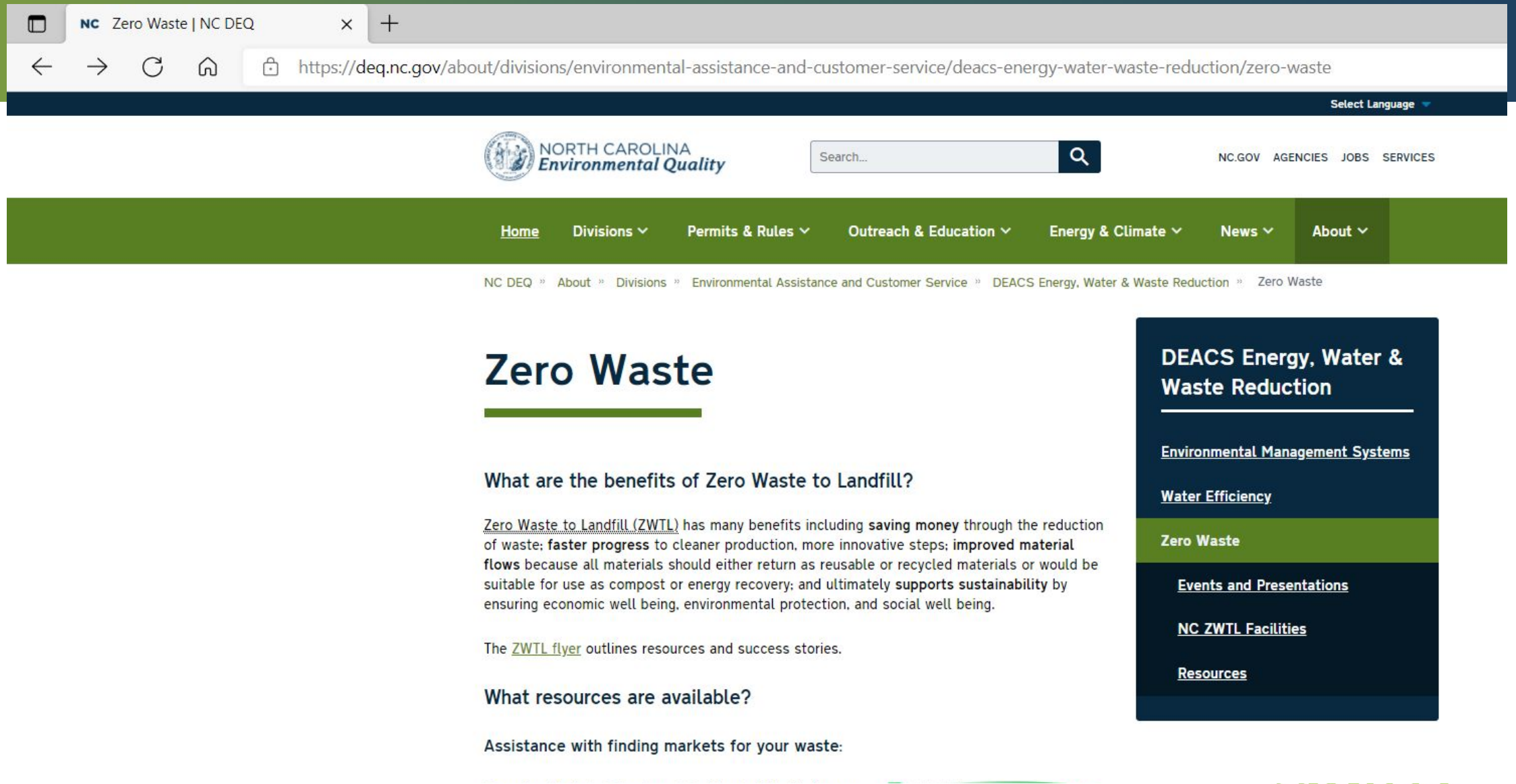

N.C. DIVISION OF ENVIRONMENTAL ASSISTANCE AND CUSTOMER SERVICE

Thank you!

Jan Hardin

Solid Waste Manager

Waste Reduction Partners

jhardin@wrpnc.org

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