

DEACS
Resource and Energy Efficiency
Section



Waste Reduction Partners

- Provides consulting services to businesses and institutions to identify cost-savings through
 - **water** efficiency audits
 - **energy efficiency** assessments
 - **solid waste** reduction measures
 - **Lean and Green** reviews
- Staff - highly experienced retired engineers and scientists
- \$115 million in client cost savings
- Services are **confidential**; provided at **no cost** to client; supported through government and utility-sponsored grants
- Contact: Terry Albrecht 828-251-7475,
Terry.Albrecht@ncdenr.gov



WRP Statewide Volunteers



Western Team - 35

Land of Sky Regional Council, Asheville, North Carolina



Piedmont Team - 27

Research Triangle Park, North Carolina

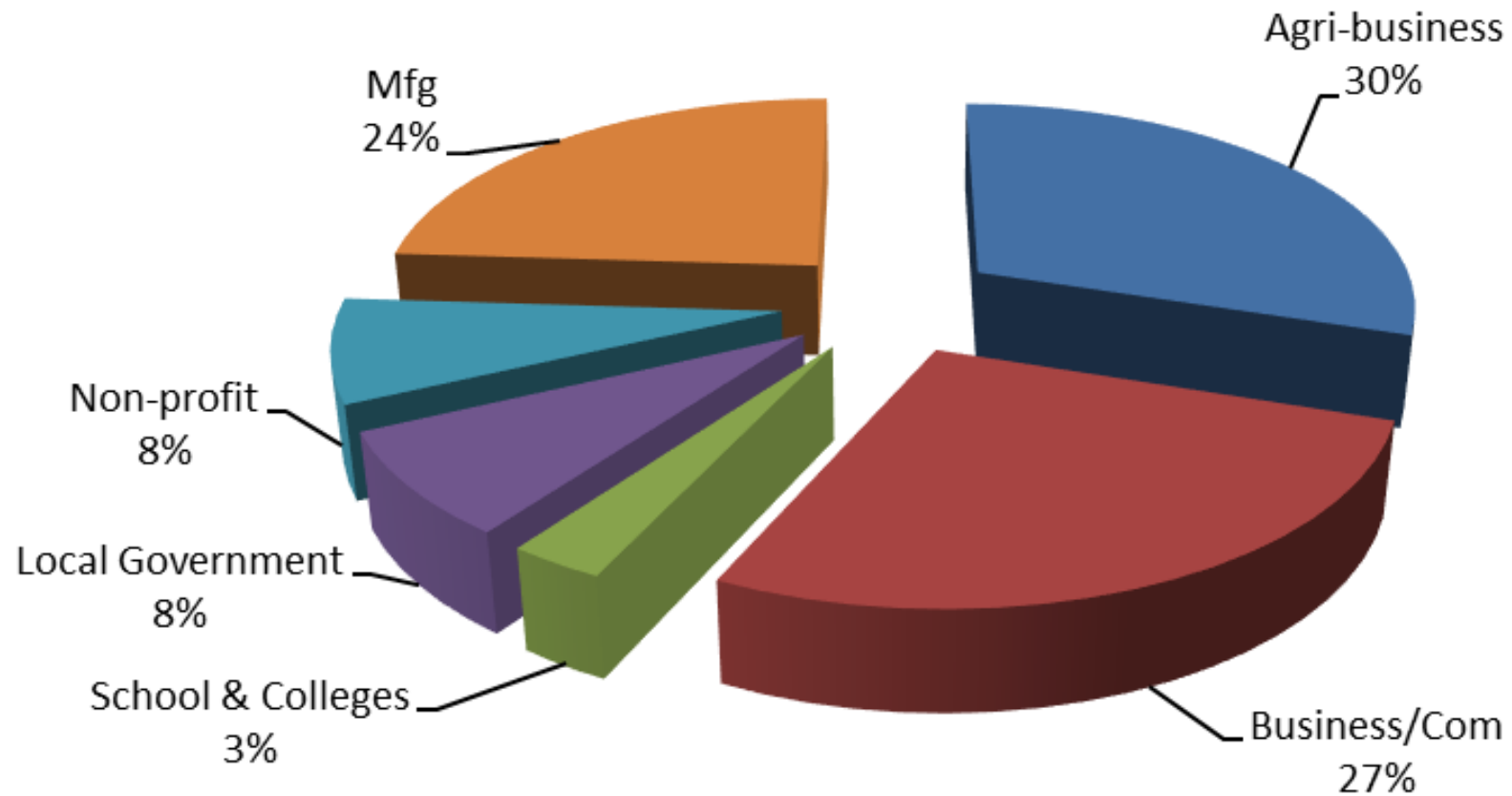
WRP utilizes retired and volunteer engineers and scientists.

- ▶ Engaging the “Baby Boomer” community resource – two million in 2025 in North Carolina.
- ▶ Staff is highly respected by clients, “Speak the Business Language.”
- ▶ Over 2,300 years of cumulative experience.
- ▶ Staffing able to “stay with” clients through project implementation.
- ▶ Promotes sustainable economy and healthy environment.



2017

WRP Client Profile



Waste Reduction Partners - FY15-16

Accomplishments

164 Clients Assisted

45 Counties Served

11,895 Volunteer and Staff Hours

Since 2000

260,316 hours tech assistance
\$115 million in client savings

**\$1.54
Million**

*Client Utility
Savings*

**40,792
MMBtu**

*Client Energy
Savings*

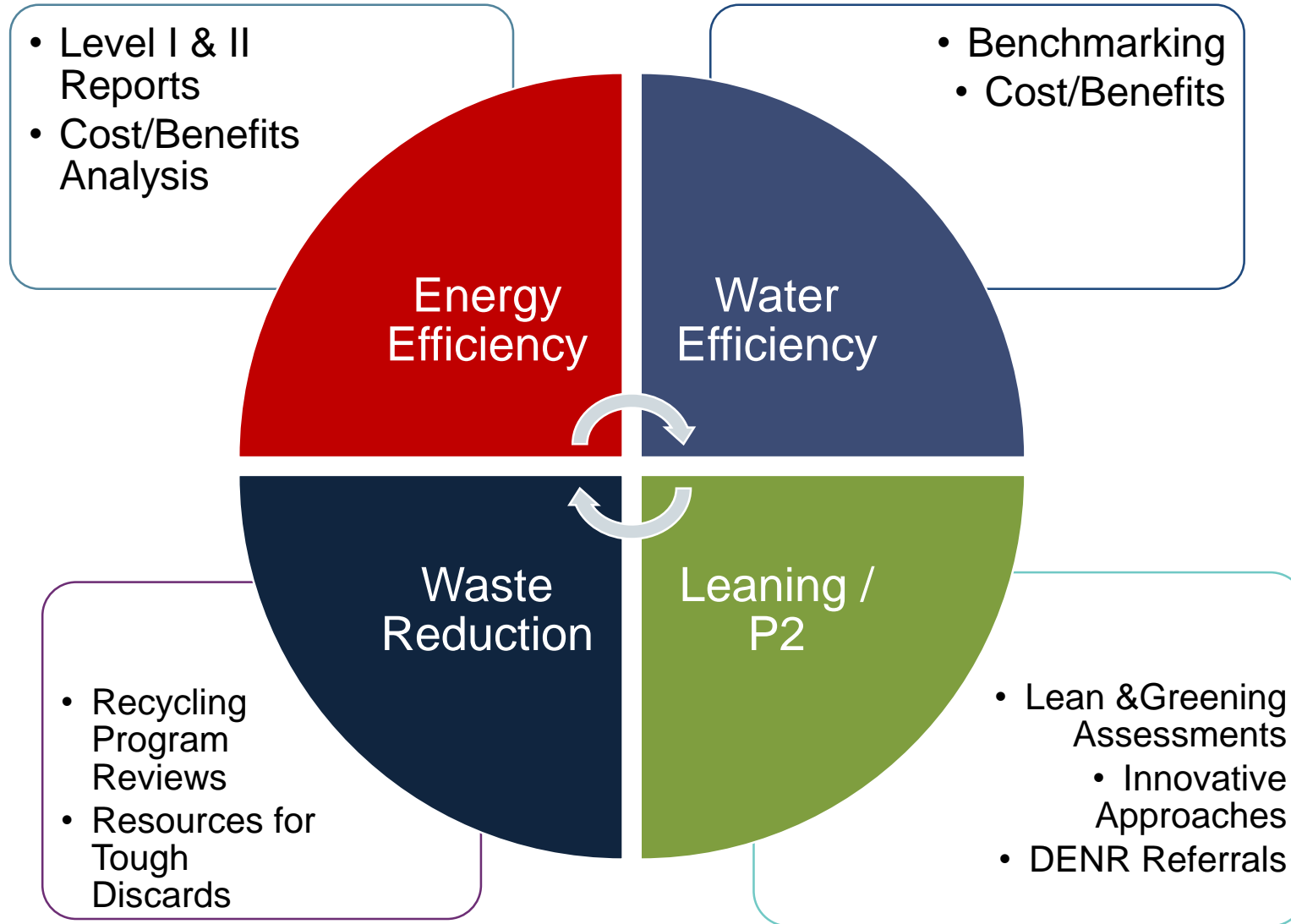
5.0 MGY

*Water Usage
Reduction*

**6,662
Tons**

*Solid Waste
Diverted from
Landfills*

WRP Technical Services Offerings – 2017-18



On-site Solid Waste Assistance

- Zero Waste to Landfill
- Recycling Vendors
- Learning Approaches to Waste Reduction
- Agricultural Plastics Recycling Project



New website launched: www.ncagplastics.org

WRP Water Efficiency Assistance

- Utility Bill Analysis
- Water Balance
- Domestic & Process Uses
- Report & Recommendation, 5-25%
- Cost/Benefit Analysis
- Demand Side Management Efforts
- Triangle Region C/I/I on-sites
- City of Asheville – C/I/I Assessments
- City of Durham – C/I/I Assessments



Energy Efficiency Assistance

- Analyze Utility Bills
- Conduct Walk-through Surveys
- Target Energy Uses
 - Process/motor
 - HVAC
 - Lighting
- Review Building Envelope
- Seek Demand Reduction/EMS/Policies
- Consider Benchmarking
- Understand Financing Options
- Written Reports with Cost/Benefit Analysis
- Support Strategic Energy Planning Initiatives



Lean & Green Reviews

Conduct value stream mapping VSM event for small enterprises

Addresses both productivity and environmental improvements

One- to two-day on-site training events

EPA funded compliments NC's E3

Pilot success stories

Winston-Salem Industries for the Blind

\$365,000 value-added

Automotive Collision Center

\$855,000 value-added





WRP - Land of Sky Regional Council

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Initiate a Project

WasteReductionPartners.org