



How Can DEACS Help You?

Terry Albrecht, PE
Division of Environmental Assistance and
Customer Service

Department of Environmental Quality



DEACS Services

- Non-regulatory program within NC DEQ
- Offers free and confidential assistance
- Services include:
 - Permit assistance
 - Compliance assistance
 - Technical assistance
 - On-site assessments
 - Recycling assistance
 - Environmental outreach

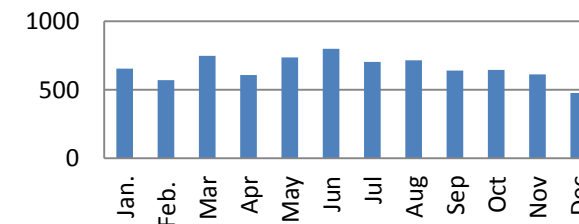


DEACS Environmental Assistance Section

- DEQ Customer Service Hotline
- Small Business and Industrial Assistance
- NC Environmental Stewardship Initiative
- Permit and Compliance Assistance



**DEQ Toll-Free Hotline
2017 Calls/Month**



7,902 Total Calls

DEACS Permit Assistance-DEQ Regional Offices

Asheville
Alison Davidson
828-296-4500
alison.davidson@ncdenr.gov



Mooresville & Winston-Salem
Marcia Allocco
704-663-1699
marcia.allocco@ncdenr.gov

Raleigh & Fayetteville
David Lee
919-791-4200
david.lee@ncdenr.gov



Washington
Lyn Hardison
252-946-6481
lyn.hardison@ncdenr.gov

Wilmington
Cameron Weaver
910-796-7215
cameron.weaver@ncdenr.gov

Environmental Stewardship Initiative

- Technical Assistance
- Networking
- Recognition
- Electronic Newsletter
- ESI Conference



- DEACS Coach
- Trainings
- EMS Assistance
- Steward Forum



Recycling and Materials Management Section (RAMMS)

- Technical assistance for **local governments, recycling businesses** and **solid waste generators** on waste reduction, recycling, and composting, including operational and financial assistance



Old Tires Get New Life



Recycling is Picking Up in North Carolina



Recycling Markets

- **Recycling Markets Directory:** continuously updated, fully searchable on-line directory that lists more than 600 companies that collect, transport, broker, process or remanufacture recovered materials in NC

www.p2pays.org/dmrm

- **Waste Trader:** marketplace for discarded or surplus materials and products

www.ncwastetrader.org



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.



Waste Reduction Partners - FY17 Accomplishments

164 Clients Assisted

45 Counties Served

*11,895 Volunteer and
Staff Hours*

Since 2000

243,316 hours tech
assistance

\$115 million in client savings

**\$1.54
Million**

*Client Utility
Savings*

**40,795
MMBtu**

*Client Energy
Savings*

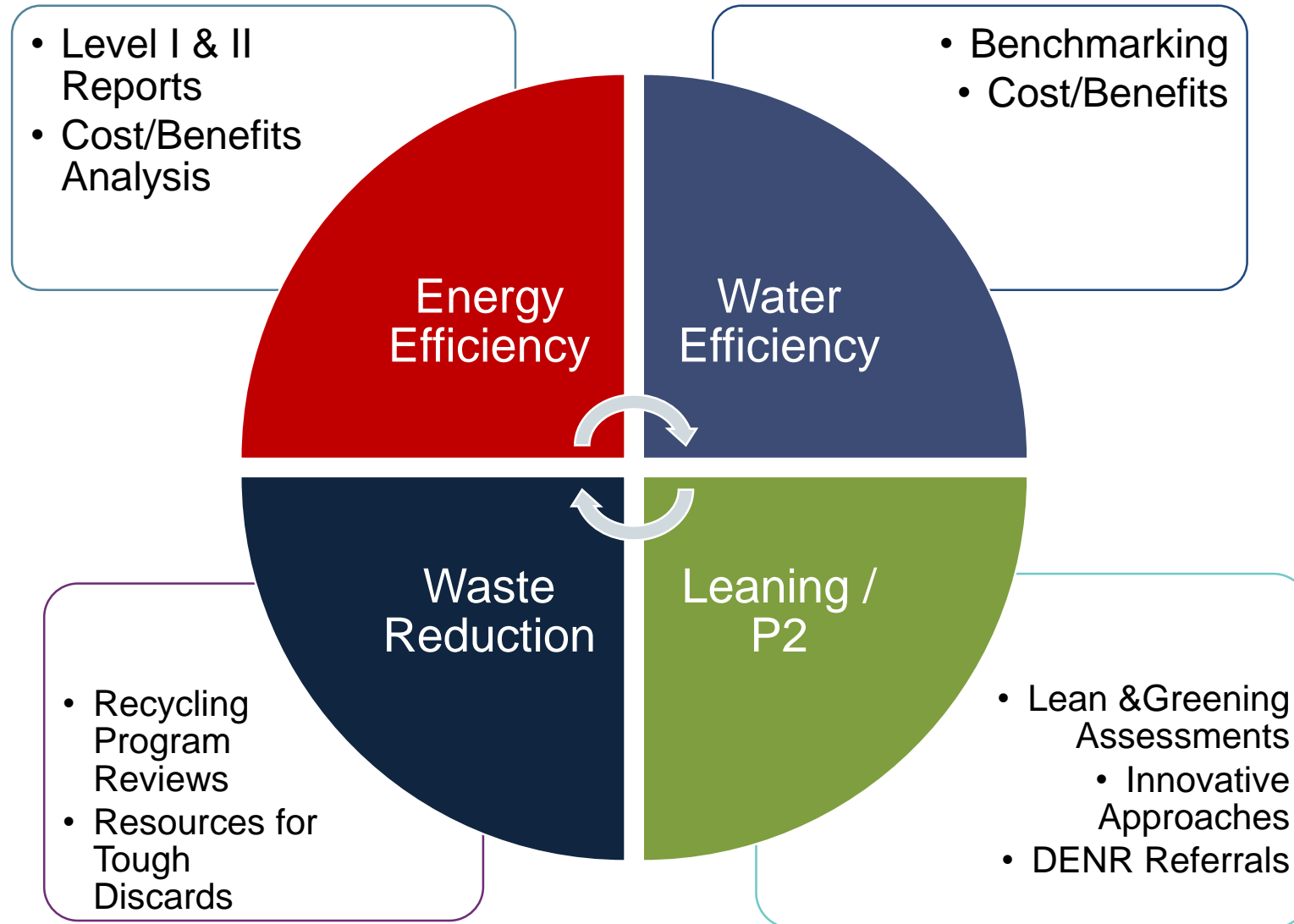
5.05 MGY

*Water Usage
Reduction*

**6,662
Tons**

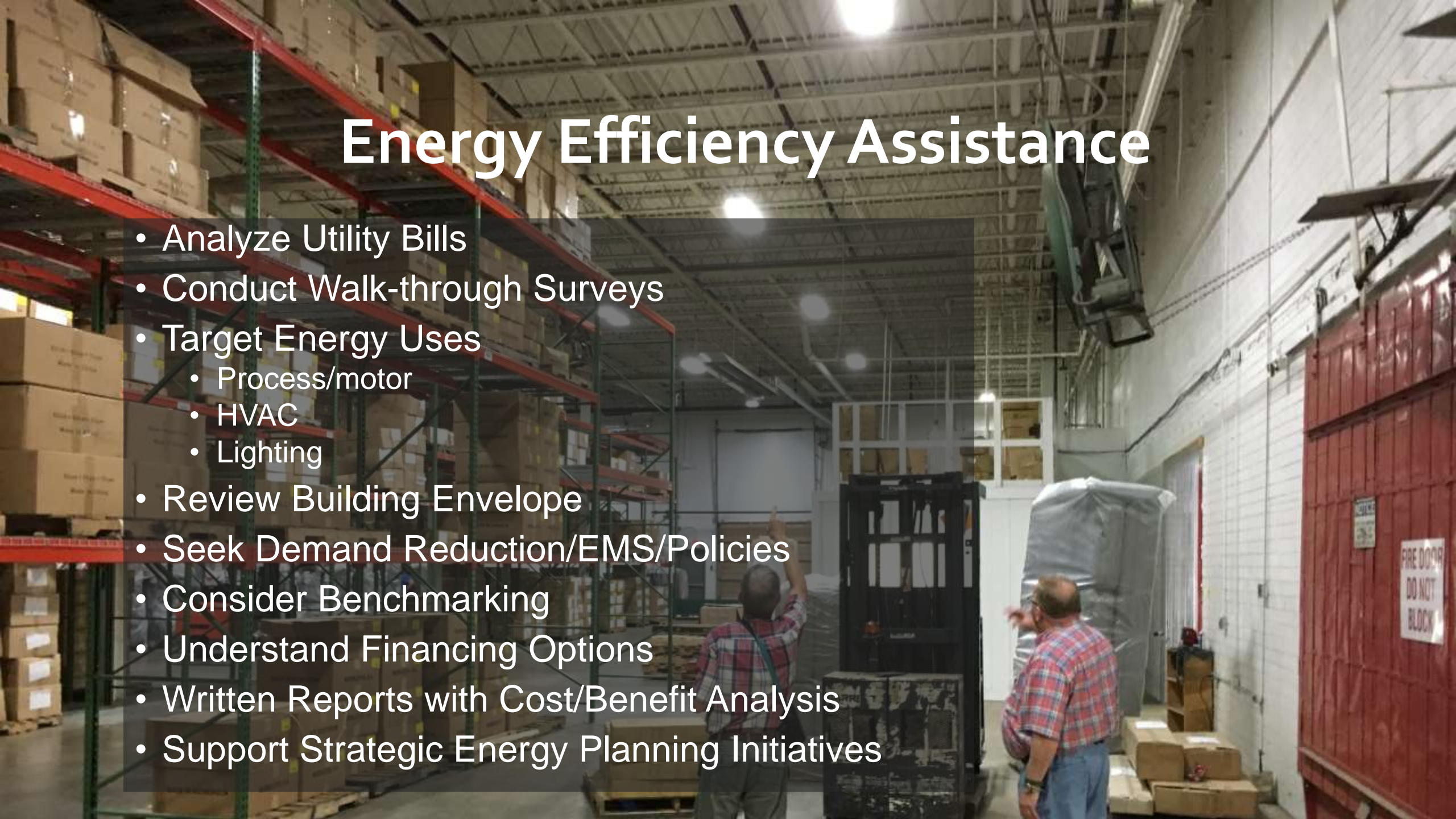
*Solid Waste
Diverted from
Landfills*

WRP Technical Services Offerings – 2018



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



Solid Waste Reduction Projects 2017

- Worked with 86 businesses (up from 47 year before)
- Identified opportunities for clients to divert 6161 tons; save \$363,000
- Ag plastics mulch film farm trials completed
 - projected savings for farmers= \$100/acre



WRP Water Efficiency Assistance

- Utility Bill Analysis
- Water Balance
- Domestic & Process Uses
- Report & Recommendation, 5-25%
- Cost/Benefit Analysis
- Demand Side Management Efforts
 - City of Asheville – ICI Assessments (15 yr.)
 - Town of Cary – Hotel Challenge
 - City of Durham – ICI Assessments
 - OWASA – Multifamily mass-metered
 - Meredith College, City of Raleigh



Wastewater and Pollution Prevention Strategies

Assisting customers with problematic discharges and pretreatment issues

- Examples: Town of Tryon – Mercury, Farmville - Cyanide False Positive
- Metal Finishing: Flow Reductions
- Pass-through Pollutant Issues
- Aquatic Toxicity Issues

Air Quality

- Opacity and Material Substitutions
- ISO 14001 (City of Asheville assistance)





Waste Reduction Partners

Terry Albrecht, PE, CEM

828 251-7475

Terry.Albrecht@ncdenr.gov

Initiate a Project
WasteReductionPartners.org

DEACS: How we can help you!

- Free, confidential and non-regulatory
- Experienced staff with broad environmental knowledge
- Cost savings while improved environmental performance
- Onsite technical assistance and assessments
- Tailored permitting assistance; project timeline planning and facilitation
- Outreach and recognition programs



DEACS Contacts

Environmental Assistance Section

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Waste Reduction Partners

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Environmental Stewardship Initiative

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Recycling & Materials Management Section

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