

Duffield Associates' Sustainable Initiatives

Headquarters

Our signature property includes:

- The preservation and beneficial reuse of a historic barn and farmhouse.
- Geothermal heating/cooling installed in 1984
- A meadow garden to attract wildlife and to cut down on lawnmower emissions.
- A butterfly garden maintained by the staff.
- Energy audit and energy saving measures
- Nutrient management program
- Has a bioretention basin
- Heat island redesign (trees)
- Certification as a National Wildlife Federation "Backyard Wildlife Habitat."

Company-Wide Procedures/ Facility Efforts

Duffield Associates:

- Installed energy-efficient light bulbs
- Uses hybrid vehicles in company fleet
- Uses organic cleaning supplies
- Uses Energy Star efficient products
- Installed sensor lights for selected rooms
- Recycles paper, glass, plastic, steel, and cardboard. Have been involved with curbside recycling since October 2005.
- Recycles printer cartridges since June 2005)
- Has printed materials on recycled stock and newer pieces printed on Forest Stewardship Council paper from an approved FSC vendor
- Uses recycled content copy paper, toilet paper, paper towels, and garbage bags
- Has designated parking for Hybrid or Alternate Fuel Vehicles

Duffield's "Green" Project

Duffield constructed a "green" building on their Wilmington site to lower CO₂ emissions. This building, called the "Watershed," has many LEED characteristics:

- Daylight and Views EQ Credit 8.2- use of daylight with large windows and light-reflective ceilings and walls
- Building materials- selected for recycled content and low emitting characteristics
- Insulated building shell, operable windows for natural cooling, and shading devices for heat control. The building envelope design exceeds the Energy Code requirements by 32%, with no apparent increase in construction costs.
- Stormwater Management
- UV treatment of return area
- Water usage
- Bicycle racks

Good Office Habits We Encourage

- Using less paper by double-side printing on draft copies
- Turning off lights in unused rooms
- Turn off computers, printers, faxes and adding machines when not in use or at the end of each day.
- Changing our monitors so they turn off rather than use screen savers.
- Programmable thermostats set lower in the winter and higher in the summer months. Thermostats are also set for lower energy usage at night and weekends.
- Using a projector for meetings rather than using paper

Our Staff /Projects

- Has provided innovative and sustainable site design, storm and wastewater management, and conservation since our inception more than 30 years ago.
- Has provided beneficial reuse consulting for over 20 years.
- Includes 9 LEED accredited professionals
- Include Certified Geothermal Installers
- Has a “green group” whose mission is to educate our clients as well as other staff about ways to improve sustainability in the projects we work on.

Outreach/Community Involvement

For over 30 years, Duffield Associates has encouraged participation in community and environmental organizations. Our staff participates regularly in this sampling of environmental events and organizations:

- American Water Resources Association – National, New Jersey and Delaware
- Delaware Valley Green Building Council
- Duffield Associates’ Adopt-A-Highway Clean Up
- Engineers without Borders
- Society for Ecological Restoration
- Stream Clean Ups
- US Green Building Council

Staff on boards of the following environmental organizations:

- American Water Resources Association New Jersey
- Audubon Society
- Partnership for the Delaware Estuary
- Surface Water Subcommittee of the Delaware Clean Water Advisory Council
- Water Resource Association of the Delaware River Basin