Greendale WI: The Federal “company” town housing
Greendale Schools

• Home to 2600 students of rising poverty and diversity
• Dates to 1939 when developed by the Federal Government as affordable, country, safe, green living near Milwaukee for families
• Many of the originals still stand and are coveted by young professionals
• Many walking paths and green spaces
• Houses designed like country cottages facing common green spaces
Greendale Schools ECO Journey

Journey to environmentally sound learning environments, energy savings, and green and sustainable practices began in 2008

ASBO’s availability of resident practitioners on staff for IEQ jump-started the process and provided resources, such as attending the D.C. EPA Indoor Air Quality conference
The Journey...

- Energy and environmental savings projects
- Operational changes
- Cost savings
- Green team
- Public perception... “brand”
- Indoor learning environments improved
- And... of course.. student achievement!
2008-2012 Energy and Environmental Initiatives:

• Reduced copying costs, paper use leading to $20,000 cost savings per year.
• Reduced workers compensation claims saving $50,000/yr
• Switched to safer green cleaning chemicals and procedures at no extra cost
• Became an Energy Star Partner and shaved $200,000 in energy bills from 2006 to 2011.
• Earned the EPA IAQ TfS Great Start and Leadership Awards in 2009 and the Excellence Award in 2011.
ECO Site and Building Projects

Environmentally friendly:

• Turf on football field, used by many groups has cut water, energy and staff maintenance time

• Remodeling high school with terrazzo floors and polished concrete floors has saved staff time, use of products and is a cleaner/safer

• Installation of energy efficient boilers and controls allows programming & energy saved

• Use solar water heating for pool and domestic h20
Operational Changes

• Facility Director took charge!
• Policies shared district wide
• Programs to turn off computers used to save energy
• Temperatures controlled
• Unneeded electrical items removed (brought in by staff)
• Digital controls used to program fans/energy
• Clutter removed to reduce dust/keep clean
• Staff educated on HVAC operation
Energy Cost Savings

2006-2007  $813,848
2010-2011  $612,008

• GSD now one of the most energy efficient districts in Wisconsin
• Most of our schools are almost twice as efficient as in 2007
• Four of our five schools are far under the state average for BTU/Sq Ft/Heating Day
GSD Green Story..

• Formed a “Greener Dale” Team in 2010, students, staff, community involved.
• Began two school gardens to grow produce and use for curriculum
• Planning for a greenhouse attached to GHS
• Team trained in the “Natural Step” lower impact ways of living and sustaining environment
GSD Green Story..

• Group focused on a Green Expo held in May 2011 with approximately 40 exhibitors
• Exhibitors included student environmental projects, organic food producers, water saving education, low impact soap vendor, parks and recreation information, energy efficient vehicles, Goodwill expo (recycling)
GSD GREEN Team

• Created and implemented a Green Expo for the community in 2011
• For 2012 the Expo, Nourish: Mind, Body and Environment, has grown to 50 exhibitors covering a variety of health, safety and environmental/green/sustainable topics
• A key note speaker will address personal health responsibility during the Expo
• Many “try-it” activities available
• Students will showcase their green and environmental projects
“Your brand is not your advertising, your logo, your name, your product. Your brand resides in the minds of your customers and anyone who has an impression of your organization”

From the book.. “A category of one” by Joe Calloway

Greendale Schools has created a “green, healthy, sustainable” brand in our community’s mind, via events, media releases, and efforts!
Indoor environments pumped up for learning

• Decluttering project using professional experts on organization
• Began and continued permission to throw away old materials and objects
• Classrooms now clean and organized
• Office spaces are decluttered (sometimes!)
• Safer and cleaner environments for students with health issues/ prevents illness
• Daylighting used extensively
GSD’s IEQ Effort

• Maintenance of all HVAC equipment properly

• Change culture to maintain healthy indoor environments: remove air fresheners, remove hanging material from ceilings, remove paper from bulletin boards and paint instead for color, reduce use of plants and remove stuffed furniture

• An “end of school” staff checkout insures the decluttering continues
Student Achievement!

• GSD is one of the highest achieving districts in Wisconsin. Take a look at these reading scores which underlie all learning..

• GSD continues to receive accolades in the media

• 800 students apply annually under Open Enrollment for 20-30 seats

• Gained 138 resident students in past three years
Percentages of students at Proficient and Advanced in READING at Greendale Schools

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade 3</th>
<th>Grade 4</th>
<th>Grade 8</th>
<th>Grade 10</th>
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<tr>
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<td>92.5%</td>
<td>95.7%</td>
<td>99.0%</td>
<td>89.2%</td>
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These are the highest scores among all 26 districts in our county at every grade level!
Green Team Continuing goals..

• Convene the 2011-2012 Greener Dale team and set this year’s goals to include a 2012 Green event and more education to community on green and sustainable practices

• Involve students and teachers as well as community experts in our efforts

• Merge the student wellness team with the green team to focus on providing a healthy, sustainable, green learning environment and food for students