



**Reduce. Reuse. Recycle.    Respect. Recognize.**





## Mission:

We deliver quality on every project, backed by reliable, responsive service.

**It's the Boxley Way.**

## Vision:

We will be the industry leader in all facets of our business with the talent to sustain it.

## Company Core Beliefs:

- Work safely.
- Hire and train the best people.
- Involve our employees in the decision-making process.
- Provide opportunities for personal growth.
- Reward outstanding contributions.
- Be honest.
- Build long-term relationships.
- Deliver quality from the ground up.
- Be active participants in our communities.
- Be responsible stewards of the environment.
- Commit to be a little better at what we do each and every day.
- Earn profits to support our corporate growth and beliefs.

In 2011, Boxley employees focused on how to be smarter about being greener. In addition to our major sustainability initiatives, they found ways that even small actions can make a big difference in improving our environmental performance. Last year, employees expanded recycling programs, planted trees, built wildlife habitats, sought additional ways to improve gas mileage and found an environmentally friendly automated soap system to clean out asphalt truck beds.



Accountability is an important value at Boxley. Our annual Sustainability Report is intended to provide you with the results of our progress as well as to share what we've learned so the information can be used to build or enhance environmental initiatives at other companies. Working together, we can make positive changes that ensure a sustainable future.

**Jeff Perkins**, Chief Operating Officer



## Green Team

From left to right: **Tim Mauzy**, Engineering; **Charles Craddock**, Asphalt; **Howard Walker**, Aggregate; **Charlie Bartocci**, Aggregate; **Sam Woolwine**, Concrete; **Brian Corell**, Block; (not pictured: **Jeff Perkins**, COO)

# Reduce.

## Energy Consumption

Since being accepted into the EPA's Energy Star Partner program in late 2010, Boxley developed kilowatt usage tracking at our aggregate operations to establish a baseline from which to measure improvements.



The following quarries have already implemented initiatives that stand out when it comes to reducing energy consumption:

## Energy Saving Measures

### Beckley Quarry

- Programmable digital thermostats for office and various buildings on site
- Energy efficient lighting for illuminating plants at night
- Testing LED lighting to save additional energy
- Motion detection lighting in buildings
- One startup and one shutdown per day, eliminating big power spikes as a result of high horsepower motors starting on high demand times
- High-efficiency "soft starts" that eliminate power draws
- High-efficiency electric drive motors especially in the over 50hp range
- New higher horsepower, high-efficiency motors for 20-30% reduction in energy usage
- Bank transformers to keep power supply constant

### Blue Ridge Quarry

- Implemented Gap Shifting that involves operating the primary crushing during the day (on-peak hours) and secondary crushing plant at night (off-peak hours) to reduce on-peak demand by approximately 1400 kW
- Power-up only the equipment needed to crush during each shift
- Dusk-to-dawn lights outside of shop and timer lights where equipment is parked
- Motion detection lighting in buildings
- Programmable digital thermostats in shop and scale house
- Maintain temperature at 80+ degrees in Motor Control Centers in summer
- Open shop doors to utilize natural light, weather permitting
- Automated pit pumps with timers to reduce weekend energy consumption

*(Reduce continued on page 4)*

## How We Manage Our Environmental Program

In keeping with our core belief to involve our employees in the decision-making process, representatives from each of the company's business lines are chosen to serve on Boxley's Green Team each year. These individuals set our sustainability goals and initiatives and are accountable for overseeing implementation. It's an important job that has a lasting positive impact. We appreciate their great work!

## Leadership Team

**Ab Boxley**, President & CEO

**Tom Johnson**, CFO

**Jeff Perkins**, COO

**Larry Bullock**, Vice President,  
Concrete/Trucking

**Jeb Burton**, President,  
Templeton Paving

**Ed Craighill**, Vice President,  
Sales & Corporate Development

**Bill Hamlin**, Vice President,  
Aggregate Operations

**Stan Puckett**, President,  
Sawyer Paving

# Reduce. *(continued)*

## Water Consumption

### Concrete Plants

Boxley's 12 concrete plants use only recycled water for mixer drum rinse and washout, saving 1,173,438 gallons of fresh water last year.

### Quarries

Boxley quarries conserve millions of gallons annually by utilizing reclaimed water for dust suppression and truck wheel washes.

## Paper Use

Boxley's Support Center team sent 31,265 invoices by email, significantly reducing the use of paper and envelopes used by the company. This represents a 10% increase in e-bills over 2010.

## Oil and Antifreeze Consumption

- Boxley Trucking began testing synthetic oils to reduce fuel consumption in 2011 and plans to expand the program in 2012.
- Switched to extended life coolants that do not need to be changed, reducing antifreeze consumption on company vehicles.



## Use of petroleum-based asphalt release agents

Templeton Paving installed an automated soap system at all three plants that sprays the beds of asphalt trucks with an environmentally friendly release agent prior to loading asphalt. The release agent allows all of the asphalt to slide out of the truck onto the project site, eliminating the need to use more harmful products to clean the bed. Employees and customers are safer as well since they do not have to get out of the truck to spray their truck beds.

# Reuse.

- 66,953 tons of Recycled Asphalt Pavement (RAP) used to make new asphalt
- 1,000 tons of Waste Concrete Block crushed and used to create new block
- 4,363 tons of Waste Concrete used to create concrete barrier blocks
- 1,173,438 gallons of recycled grey water used in lieu of fresh water for truck drum and mixer clean out





# Recycle.



Left: Boxley expanded its recycling program this year to include cardboard recycling and the installation of recycle centers at the Support Center and Fieldale and Lawyers Road quarries.

## 2011 Recycling Report Card

Boxley kept 72,987 tons of material out of landfills in 2011 by recycling. This is a 76% increase over 2010 recycling.

Recycled Material	2011	2010	2009
<b>Oil</b> (in gallons)	8,030 <sup>1</sup>	10,201	9,280
<b>Antifreeze</b> (in gallons)	55 <sup>2</sup>	170	355
<b>Absorbent</b> (in tons)	9	4.6	6.6
<b>Metals</b> (in tons)	550 <sup>3</sup>	359	168.7
<b>Paper, Plastic</b> (in tons)	8.7	3	N/A
<b>Cardboard</b> (in tons)	.9	N/A	N/A
<b>Wood Pallets-Block</b> (in tons)	75 <sup>4</sup>	70 <sup>4</sup>	N/A
<b>Waste Concrete Block</b> (in tons)	1,000	700	7,000 <sup>5</sup>
<b>Recycled Asphalt Pavement</b> (RAP, in tons)	66,953	12,792	N/A
<b>Waste Concrete</b> (in tons)	4,363	3,824	3,186
<b>Tires</b> (in tons)	28.15 <sup>3</sup>	N/A	N/A

<sup>1</sup> Lower number represents reduced mileage

<sup>2</sup> Lower number reflects switch to extended life coolant

<sup>3</sup> Templeton Paving became a Boxley Company in January 2011. The significant increase in the tons of metals recycled and the addition of the tires category is attributed to pre-existing stockpiles of metals and tires that were recycled by Boxley after the acquisition.

<sup>4</sup> Represents 2,700 pallets in 2011 and 2,500 pallets in 2010

<sup>5</sup> Represents backlog of waste block

# Respect.

## Mill Point Quarry

Created a bat habitat preservation area at the quarry by protecting eight (8) acres of forested land that features a significant number of Shagbark Hickory trees. Shagbark Hickory trees are a potential habitat for bats, particularly the endangered Indiana Bat. The protected area includes a pond that is clear of vegetative clutter allowing unobstructed access by bats while being close to the forest edge for cover from potential predators.

## Lawyers Road

- Recognized for developing a “model project” for the industry by the Virginia Department of Mines, Minerals and Energy (DMME) for exemplary work done to redirect a stream channel running through an area to be mined.
- Created habitat for blue birds and ducks by installing blue bird and duck houses on the property in the channel change project area.
- Planted 400 seedlings as part of reclamation of a fill deposit area.

## Piney River Quarry

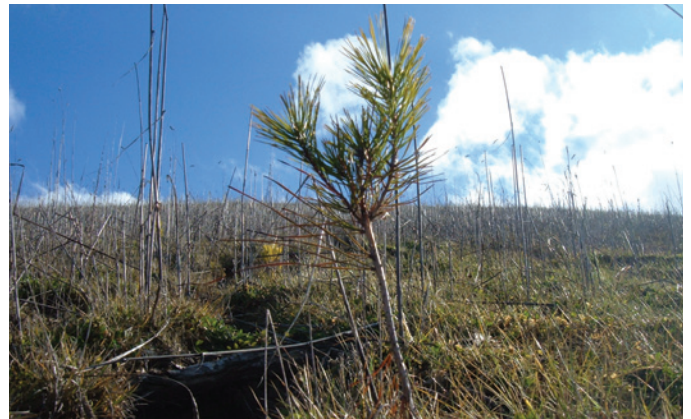
- Recognized in the April 2011 issue of *Virginia Wildlife* magazine for its wetlands conservation effort through the innovative vernal pool initiative.
- Featured in a Corporate Habitat Partners video produced by the Virginia Department of Game & Inland Fisheries.
- Provided Willow saplings for planting stock to the Amherst Soil & Water Conservation District for their “Willows for Life” program that provides stream bank restoration assistance to landowners throughout Amherst County.



Above: Shagbark Hickory trees are a potential habitat for bats.



Above: VA DMME cites Lawyers Road Stream Channel Change as model for industry.



Above: Boxley planted 14,500 seedlings across its nine quarries last year as part of its reclamation and reforestation program.





Above: Sawyer Paving earned the prestigious Diamond Achievement Commendation for Excellence.

# Recognize.

## Outstanding Environmental Operations

Boxley has prioritized pursuing environmental certification programs that demonstrate high standards of operational excellence. Congratulations to Sawyer Paving and the Concrete division for earning industry certifications in 2011.

### Sawyer Paving

Sawyer Paving earned the Diamond Achievement Commendation for Excellence in Asphalt Plant/Site Operations from the National Asphalt Pavement Association (NAPA).



The NAPA Diamond Achievement Commendation addresses six essential facets of the asphalt plant/site: appearance, operations, environmental practices, safety, permitting and regulatory compliance, and community relations.

## Concrete

All 12 Boxley concrete plants hold the Green-Star Certification by the National Ready Mixed Concrete Association (NRMCA). The NRMCA Green-Star program recognizes concrete companies who maintain Environmental Management Systems that aid in reducing, if not eliminating, negative environmental impacts resulting from operations. This program promotes environmental excellence through continual improvement over multiple ongoing cycles. Green-Star certifications are good for two years and a plant must re-apply to maintain its certification.



## 2011 Green-Star Re-certifications

### Virginia

Bluefield  
Blue Ridge  
Martinsville  
Roanoke

### West Virginia

Beckley  
Princeton  
Summersville  
Wyoming

## 2011 Green-Star Certifications

(New plants since 2009 Green Star Certification)

Abingdon, VA  
Lewisburg, WV  
Marion, VA  
Wytheville, VA



## Aggregate

### **Beckley**

1700 North Sandbranch Rd.  
Mt Hope, WV 25880  
**(800) 269-5391**

### **Blue Ridge**

15415 West Lynchburg  
Salem Tpke.  
Blue Ridge, VA 24064  
**(866) 676-2466**

### **Fieldale**

3785 Carver Rd.  
Martinsville, VA 24112  
**(866) 676-2466**

### **Lawyers Road**

762 Lawyers Rd.  
Lynchburg, VA 24501  
**(800) 269-5392**

### **Lewisburg**

HC 40 Box 49  
Lewisburg, WV 24901  
**(800) 269-5391**

### **Mill Point**

HC 64 Box 436  
Hillsboro, WV 24946  
**(800) 269-5391**

### **Mt. Athos**

1299 Stage Rd.  
Concord, VA 24538  
**(800) 269-5392**

### **Piney River**

739 Warrick Barn Rd.  
Arrington, VA 22922  
**(800) 269-5392**

### **Rich Patch**

7612 Rich Patch Rd.  
Lowmoor, VA 24457  
**(866) 676-2466**

## Asphalt

### **Salem**

Sawyer Paving  
496 Glenmore Drive,  
Salem, VA 24153-5495  
**(540) 389-2768**  
*Plant located in Salem*

### **Lynchburg**

Templeton Paving  
1678 Lawyers Road  
P.O. Box 4339  
Lynchburg, VA 24502  
**(434) 239-0383**  
*Plants located in Lynchburg,  
Concord and Arrington*

## Block

### **Lynchburg**

110 Lynchpin Ln.  
Lynchburg, VA 24501  
**(800) 422-2565**

### **Roanoke**

3830 Blue Ridge Dr.  
Roanoke, VA 24018  
**(800) 982-8028**

### **Summersville**

7900 Webster Rd.  
Summersville, WV 26651  
**(866) 320-5205**

## Concrete

### **Abingdon**

24438 Regal Drive  
Abingdon, VA 24211  
**(800) 331-2040**

### **Beckley**

1700 North Sandbranch Rd.  
Mt Hope, WV 25880  
**(866) 203-9368**

### **Blue Ridge**

139 Healing Springs Rd.  
Blue Ridge, VA 24064  
**(888) 832-0003**

### **Bluefield**

191 St. Claire's Crossing  
Bluefield, VA 24605  
**(866) 875-7186**

### **Lewisburg**

HC 40 Box 49  
Lewisburg, WV 24901  
**(800) 323-8338**

### **Martinsville**

201 Koehler Rd.  
Martinsville, VA 24112  
**(866) 216-0601**

### **Marion**

1594 Industrial Road  
Marion, VA 24354  
**(877) 854-2939**

### **Princeton**

101 Westview Ave.  
Princeton, WV 24740  
**(866) 875-7186**

### **Roanoke**

3830 Blue Ridge Dr.  
Roanoke, VA 24018  
**(888) 832-0003**

### **Summersville**

7900 Webster Rd.  
Summersville, WV 26651  
**(866) 320-5204**

### **Wyoming**

HC 64 Box 107  
Welch, WV 24801  
**(866) 875-7186**

### **Wytheville**

1050 Church Street  
Wytheville, VA 24382  
**(877) 854-2939**

# BOXLEY®