RIVER STARS

SALUTING THE FINEST ENVIRONMENTAL STEWARDS ON THE ELIZABETH

PHOTO BY KEVIN DU BOIS
Shine on, businesses that care. Because the Elizabeth River is one of the mightiest military and industrial ports in the world, restoring this urban river to health depends on leadership from the business and government facilities that line its shore.

Thank you to the 115 facilities who together are making environmental stewardship the business standard on the Elizabeth. The nonprofit Elizabeth River Project salutes these business and government facilities for reducing pollution voluntarily by 323 million pounds since the program started in 1997. Each year, a committee of business peers recognizes new efforts documented for review. Often the business saves money while reducing pollution, such as this year’s $175,000 savings at Norfolk Naval Shipyard through an employee’s innovations.

Free for any facility in the Elizabeth River watershed, River Star participation is most successful where it can make the most difference — with sites presenting large opportunities to reduce toxic pollution or restore and conserve wildlife habitat. If this sounds like you, there’s a starring role for you in the restoration of your home river.

You’ll read about River Star facilities that are stabilizing eroding shores with wetlands planted by volunteers, hosting oyster reefs to bring back the native oyster, adding stormwater controls, energy efficiencies and much, much more. In return, they often not only discover cost savings, but also reduced liability, improved worker safety and morale. Not to mention the positive publicity awarded by publications such as Inside Business, which each year sponsors this special report and a Hall of Fame award to the top business participant.

Recognition is just part of the program. Elizabeth River Project also provides free assistance to help you identify and carry out projects, with technical staff and peer mentors at the ready.

Find out if your company is right for River Star Businesses. Contact Pam Boatwright, River Stars Businesses Program Manager, Elizabeth River Project at (757) 399-7487, pboatwright@elizabethriver.org or find out more at RiverStarBusinesses.org.

Business partners ‘Doin’ right by the river’

You, too, can be a star.

S

hine on, businesses that care. Because the Elizabeth River is one of the mightiest military and industrial ports in the world, restoring this urban river to health depends on leadership from the business and government facilities that line its shore.

Thank you to the 115 facilities who together are making environmental stewardship the business standard on the Elizabeth. The nonprofit Elizabeth River Project salutes these business and government facilities for reducing pollution voluntarily by 323 million pounds since the program started in 1997. Each year, a committee of business peers recognizes new efforts documented for review. Often the business saves money while reducing pollution, such as this year’s $175,000 savings at Norfolk Naval Shipyard through an employee’s innovations.

Free for any facility in the Elizabeth River watershed, River Star participation is most successful where it can make the most difference — with sites presenting large opportunities to reduce toxic pollution or restore and conserve wildlife habitat. If this sounds like you, there’s a starring role for you in the restoration of your home river.

You’ll read about River Star facilities that are stabilizing eroding shores with wetlands planted by volunteers, hosting oyster reefs to bring back the native oyster, adding stormwater controls, energy efficiencies and much, much more. In return, they often not only discover cost savings, but also reduced liability, improved worker safety and morale. Not to mention the positive publicity awarded by publications such as Inside Business, which each year sponsors this special report and a Hall of Fame award to the top business participant.

Recognition is just part of the program. Elizabeth River Project also provides free assistance to help you identify and carry out projects, with technical staff and peer mentors at the ready.

Find out if your company is right for River Star Businesses. Contact Pam Boatwright, River Stars Businesses Program Manager, Elizabeth River Project at (757) 399-7487, pboatwright@elizabethriver.org or find out more at RiverStarBusinesses.org.

The River Stars program made possible by

Chesapeake Bay Innovative Nutrient & Sediment Reduction Grant, National Fish & Wildlife Foundation, Dominion Virginia Power, and Members & Donors of Elizabeth River Project

Congratulations, River Stars!

The Elizabeth River Project launched River Stars for business partners in 1997. Since then, River Stars have become the finest environmental stewards on the Elizabeth.

• Pollution reduced: 323 million pounds.
• Wildlife habitat restored, conserved: 1,754 acres.
• Other materials reduced, recycled or reused: More than 1 billion pounds.
This year’s best of the best. These River Star facilities lead the community in environmental stewardship through exceptional results in pollution prevention and wildlife habitat - and mentor others.

Chesapeake Parks, Recreation and Tourism

IT'S OFTEN SAID that restoration of a river depends on people having public access points where they can appreciate it. If so, then Chesapeake Parks, Recreation and Tourism may have the Elizabeth River cleaned up in no time. The city department has been creating one of the region’s best networks of lovely natural venues along the Elizabeth River where you can hike, bike, paddle or giddy-up on horseback while steadily adding on-the-ground restoration and pollution prevention. Most recently, earning Model River Star, Chesapeake with partners constructed a “living shoreline” to stem erosion at Great Bridge Battlefield & Waterways Park and renovated Elizabeth River Park as perhaps the best public boat launch on the river, complemented by innovative stormwater controls.

Top Guard Security

SOME OF OUR “STARS” are companies doing the most they can to help the river, despite limited opportunities to reduce pollution or create wildlife habitat. Top Guard Security, the area’s largest security firm, performs no industrial processes and owns no sites. Nonetheless, the firm works hard to promote environmental stewardship throughout its staff of 600. River stewardship tips are reviewed by Top Guard staff as they begin each day. The company went green with renovation of its Wards Corner headquarters. Electric and hybrid vehicles are part of its fleet. Top Guard is growing 3,000 oysters and even bought all staff reusable lunch totes. “We’re all in,” says Chris Stuart, vice president, regarding River Star participation.

U.S. Army Corps of Engineers, Norfolk District

A VAST MOONSCAPE once greeted ships entering the Elizabeth River – Craney Island Dredged Material Management Area. The U.S. Army Corps of Engineers, Norfolk District, advances to Model River Star in part for transforming Craney Island’s muddy fields into healthy habitat for rare birds – least terns and black-necked stilts – that nest few other places in Virginia. About 350 acres of meadow were switched to natural management and enhanced by 10 acres of wetlands and “living shoreline.” At its Norfolk headquarters, the district built two oyster reefs. Green building efforts have reduced energy use by 28 percent since 2009 and water use 16 percent last year alone.

River Star Businesses are invited to lead the way in carrying out the 20th-anniversary edition of Elizabeth River Project’s Watershed Action Plan. The plan will be unveiled at the Jan. 28 luncheon.
Achievement Level River Stars document significant results in both pollution prevention and wildlife habitat.

Buckeye Terminals – Chesapeake

THIS IS THE EPICENTER for cleaning up the Elizabeth River: the former Eppinger and Russell wood treatment facility, now changed hands twice on the Money Point peninsula. The newest owners, Buckeye Terminals, have come aboard full bore with cleanup efforts, adding a pilot wetland planting to enhance a sand cap previously placed over contamination by Elizabeth River Project.

“They’re really gung ho and excited to be a part” of restoration efforts under way at Money Point since 2009, says Pam Boatwright, River Star Businesses program manager. Additional Buckeye efforts: growing 3,000 oysters, reducing air emissions and recycling water and waste.

Naval Support Activity Hampton Roads, Lafayette River Annex

HOME TO THE Naval Facilities Engineering Command Atlantic, this naval complex on the Lafayette branch of the Elizabeth is saving money and reducing hazardous waste through a new “Close the Loop” strategy. Site visits and shop reports are used to target areas of high waste that may be appropriate for materials substitution, pollution prevention equipment or recycling. The “P2 team” has removed 100 products from the stock system through this review. Meanwhile, this Navy base also welcomed 5 million oysters placed by Chesapeake Bay Foundation on a 2014 reef alongside the facility.

Intracoastal Marine

THE TUGBOAT COMPANY next to the South Norfolk Jordan Bridge has been steadily improving its Southern Branch riverfront. Most recently, the company set aside a 780-square-foot natural area and enhanced it with native plants such as wild hydrangea. Among transferable pollution-prevention practices, Intracoastal’s crew no longer throws away some 18,700 plastic bottles a year, since it switched to filling 5-gallon water jugs. The tug company also salvaged a discarded trailer with reused materials to expand its office facilities.

Ohef Sholom Temple

OHEF SHOLOM IS doing it all – enlisting its congregants to be River Star Homes or their watershed equivalent, growing 4,000 oysters, eliminating paper plates in its soup kitchen and switching to energy-efficient lighting. The monthly bulletin features environmental tips, part of the work of an Environmental Stewardship Subcommittee that is making the temple one of the most environmentally active faith communities in the Elizabeth River watershed.
Bay Disposal is improving waterfront operations on part of the former Ford plant on the Eastern Branch.

**Bay Disposal and Recycling**

Bay has relocated to the old Ford site on the Eastern Branch. Bay Disposal added stormwater sediment filters on most inlets at the site and refurbished an existing building to include green elements. Among these are energy-efficient lighting with motion sensors. A recycling coordinator helps educate the community.

McAllister Towing of Virginia

One of America’s oldest and largest family-owned marine towing companies strives for zero waste at its Norfolk site. Landing an Environmental Protection Agency grant, McAllister recently re-powered an old tug with “tier 3” emission-compliant engines, reducing emissions 70 percent and fuel consumption by 27 percent.

Bobby Clinton, port compliance officer of McAllister Towing, reported a 70 percent reduction in air emissions and 27 percent reduction in fuel use after refurbishing this tug with a “tier 3” engine.

Nauticus

Nauticus hosted 4,000 people this year for Elizabeth River Project’s free RIVERFest, the premier environmental festival of the region. Environmental education is part of Nauticus’ primary mission. The facility recently added a “marine trash skimmer” that collects trash and soaks up oil along the downtown Norfolk waterfront. A certified Virginia Clean Marina is among other green efforts, along with environmental exhibits and summer camps.

In 2015, Nauticus hosted RIVERFest, just one of its efforts to help the Elizabeth.

Norfolk SPCA

The Norfolk SPCA, in the Eastern Branch area of the Elizabeth, reuses materials like nobody’s business. Not just recycled newspapers for the pet areas. Pet toys and bedding are reclaimed from the community. This SPCA location is a leader in the campaign to get dog owners to pick up the poop, reducing pollution with the “From Rover to River” ad campaign.

Pups such as this one are cared for in an increasingly green facility. The Norfolk SPCA on the Eastern Branch reuses many materials and campaigns for dog owners to scoop the poop.
Sustained Distinguished Performance is awarded when a River Star completes a significant new initiative with no change in recognition level. The stars reflect their level in the program.

*** BAE Systems Norfolk Ship Repair – The inaugural River Star Hall of Fame winner just reduced electricity consumption by 2 million kilowatts in one year. Conservation measures included replacing incandescent “stringer” lights with LED lights, replacing aging HVAC with high-efficiency units and adding motion sensor lighting.

* Bay Diesel Corp. – This maritime engine service company has saved money and reduced waste through two measures, an aerosol can recycling system and redoubled efforts to burn waste oil for heat. A new teleconferencing system reduces travel time and cost.

** Beach Marine Services – The boat repair facility added a new solvent recovery and recycling system that reduced hazardous waste by 1,625 pounds in 2015.

** Chesapeake Public Works – The city added innovative stormwater treatment at Elizabeth River Park that uses engineered soils and plantings to capture, treat and reduce the amount of rain reaching the river that might be carrying pollutants.

*** CITGO Petroleum Corp. – Chesapeake – The fuel distribution terminal at Money Point reduces energy through conversion to LED lighting. CITGO recruited an adjacent terminal, Buckeye, as a River Star and mentored the new participant.

* CMA CGM (America) LLC – The container shipping group achieved ISO 14001 certification, a high level of environmental standards audited by a third party. The company steams at slow speeds to reduce fuel and air emissions and is retrofitting the “bulbous bows” of its ships to optimize efficiencies.

* Five Points Community Farm Market – The community farm market promotes eating locally grown produce, which reduces trucking emissions (air emissions are the third-leading cause of river pollution). The market takes its produce into community low income “food deserts,” also reducing vehicle travel.

*** General Dynamics NASSCO-Norfolk – This shipyard at the mouth of the Eastern Branch now meets ISO14001 certification of its environmental management efforts. NASSCO also planted native wetland grasses along its shore and is oyster gardening for river restoration.

** Great Bridge Battlefield & Waterways History Foundation – This park in Chesapeake worked with Elizabeth River Project and other partners to create a freshwater wetland to protect the shoreline from erosion while providing habitat benefits.

*** Hermitage Museum & Gardens – The museum placed its site in a permanent conservation easement, one of the largest in the Elizabeth River watershed. The Hermitage added a third wetland restoration to its shores, helping to reduce erosion and enhance habitat. Education programs promote the museum as a model for conservation.

*** HRSD – The regional waste water treatment authority expanded its lab and staff to conduct state-of-the-art “source tracking” to help reduce bacteria in the river. HRSD added four oyster “reef balls” to the Elizabeth River and engineered molds to facilitate volunteer efforts to install citizen-scale oyster reefs.

** Kinder Morgan Money Point Terminal – The aggregate loading terminal added more protection to stormwater inlets and covered conveyors to reduce product loss and fugitive dust, both reducing risks to the river.
**Lafayette Wetlands Partnership** – The all-volunteer group removed invasive Common Reed (*Phragmites australis*) at Riverpoint Park. Volunteers planted more than 1,000 native wetland grasses, shrubs and trees in 2015.

**Marine Oil Service** – The commercial lubricant provider established a no-mow zone along the river and landscaped with native wax myrtles for habitat enhancement. Meanwhile, upgrading lighting to LED reduced energy usage by 6,000 kilowatt hours.

**Naval Station Norfolk** – The world’s largest navy base has reduced common air pollutant emissions by 30 percent since 2012. The base’s aggressive lighting replacement project has reduced air emissions by 8 million more pounds than previously reported.

**Naval Support Activity Hampton Roads, Portsmouth Annex** – The nation’s oldest naval hospital completed a native tree planting as well as added a pollinator garden to attract butterflies and other pollinators.

**Norfolk Environment Commission/Keep Norfolk Beautiful** – The education center added a demonstration green roof to build awareness on this unique stormwater treatment effort and helped 17 schools implement a plastic bag recycling program, which resulted in 280,000 bags (3,500 pounds) being recycled.

**Norfolk Naval Shipyard** – An employee’s ingenuity helped the country’s oldest shipyard reduced VOCs by 1,175 pounds, saving $175,000 a year. To reduce waste when repairing electrical cables, the worker devised a can with integral brush for a liquid neoprene. The modified can reduced the amount of solvents needed to clean the brushes and the number of brushes.

**NRHA’s Grandy Village and Learning Center** – The education center on the Eastern Branch placed 3,800 square feet of wetlands in a conservation easement to ensure the area is protected in perpetuity.

**Old Dominion University** – When the school construct-
ed Brock Commons in 2015, it removed 9,750 square feet of parking lot and replaced this impervious surface with a restored wetland, an amphitheater and a walking trail winding through 5,026 planted grasses, shrubs and trees.

**Port of Virginia** – The port increased recycling of metal, wood, paper and plastics, while adding stormwater controls, including increased street sweeping. The port recertified its Environmental Management System (ISO 14001).

**Portsmouth Public Works/Stormwater** – The city partnered with Elizabeth River Project to expand permeable pavement parking at Paradise Creek Nature Park. New “TideFlex” gates at Paradise and Caroline creeks help reduce flooding by letting stormwater drain, while keeping high water out.

**SIMS Metal Management – Chesapeake** – The metal recycling facility at Money Point has added comprehensive stormwater improvements, a new electric charging station for employee cars, as well as energy and water conservation measures.

**SPSA Operations** – The region’s solid waste authority ex-

SUSTAINED DISTINGUISHED PERFORMANCE

Sustained Distinguished Performance is awarded when a River Star completes a significant new initiative with no change in recognition level. The stars reflect their level in the program.

*** Lafayette Wetlands Partnership – The all-volunteer group removed invasive Common Reed (*Phragmites australis*) at Riverpoint Park. Volunteers planted more than 1,000 native wetland grasses, shrubs and trees in 2015.***

** Marine Oil Service – The commercial lubricant provider established a no-mow zone along the river and landscaped with native wax myrtles for habitat enhancement. Meanwhile, upgrading lighting to LED reduced energy usage by 6,000 kilowatt hours.**

*** Naval Station Norfolk – The world’s largest navy base has reduced common air pollutant emissions by 30 percent since 2012. The base’s aggressive lighting replacement project has reduced air emissions by 8 million more pounds than previously reported.***

*** Naval Support Activity Hampton Roads, Portsmouth Annex – The nation’s oldest naval hospital completed a native tree planting as well as added a pollinator garden to attract butterflies and other pollinators.***

*** Norfolk Environment Commission/Keep Norfolk Beautiful – The education center added a demonstration green roof to build awareness on this unique stormwater treatment effort and helped 17 schools implement a plastic bag recycling program, which resulted in 280,000 bags (3,500 pounds) being recycled.***

*** Norfolk Naval Shipyard – An employee’s ingenuity helped the country’s oldest shipyard reduced VOCs by 1,175 pounds, saving $175,000 a year. To reduce waste when repairing electrical cables, the worker devised a can with integral brush for a liquid neoprene. The modified can reduced the amount of solvents needed to clean the brushes and the number of brushes.***

*** NRHA’s Grandy Village and Learning Center – The education center on the Eastern Branch placed 3,800 square feet of wetlands in a conservation easement to ensure the area is protected in perpetuity.***

*** Old Dominion University – When the school construct-
ed Brock Commons in 2015, it removed 9,750 square feet of parking lot and replaced this impervious surface with a restored wetland, an amphitheater and a walking trail winding through 5,026 planted grasses, shrubs and trees.***

** Port of Virginia – The port increased recycling of metal, wood, paper and plastics, while adding stormwater controls, including increased street sweeping. The port recertified its Environmental Management System (ISO 14001).**

** Portsmouth Public Works/Stormwater – The city partnered with Elizabeth River Project to expand permeable pavement parking at Paradise Creek Nature Park. New “TideFlex” gates at Paradise and Caroline creeks help reduce flooding by letting stormwater drain, while keeping high water out.**

** SIMS Metal Management – Chesapeake – The metal recycling facility at Money Point has added comprehensive stormwater improvements, a new electric charging station for employee cars, as well as energy and water conservation measures.**

** SPSA Operations – The region’s solid waste authority ex-

RECERTIFYING 2016 These River Stars “recertified” achievements documented three years ago by peer review. The stars reflect their level in the program.

** ACCURATE MARINE ENVIRONMENTAL**

** HOFFLER CREEK WILDLIFE FOUNDATION (MODEL LEVEL)**

** IZAAK WALTON LEAGUE**

** KINDER MORGAN SOUTHEAST TERMINAL**

** LARCHMONT LIBRARY**

** MARINE REPAIR SERVICES CORP. – CONTAINER MAINTENANCE**

** PETA**

** PORTSMOUTH BOATING CENTER**

** ROLAND PARK CIVIC LEAGUE**

» CONTINUED ON NEXT PAGE
The Inside Business River Star Hall of Fame recognizes one business each year that best exemplifies the spirit of the River Star business program. Results of “Doin’ right by the river” can be cumulative.

**HRSD shines brightest among 2016 stars**

THE BATHROOM DOOR at Paradise Creek Nature Park will ask visitors an intriguing question this fall.

“Over the last 100 years, what single change reduced bacteria-related pollution the most in the Elizabeth River?”

The answer inside: “Voters in 1940 created HRSD to keep human poo out of the river. Before that, your poo went straight to the river…25 million gallons of raw sewage dumped in local waters each day.”

HRSD – Hampton Roads Sanitation District – remains the largest discharger to the Elizabeth River but earns the spot in the Inside Business River Star Hall of Fame for 2016 for the wastewater treatment service’s unflagging focus on finding innovative new ways to reduce water pollution.

The education messages planned for the park’s composting toilets at Elizabeth River Project’s Fred W. Beazley River Academy, under construction this winter, will describe just the tip of the iceberg.

HRSD is engaged with area cities in massive upgrades of its aging pipes and treatment plants, in part to meet regulatory requirements but so often moving beyond the minimum to pursue new territory. When Elizabeth River Project asked, HRSD replaced a major pipe across the Lafayette. HRSD partnered with Elizabeth River Project to launch a citizen stewardship program that’s started a movement – River Star Homes, now copied throughout the region with Bay Star Homes. The wastewater agency added a massive green roof at its VIP plant on the Elizabeth, then built its new Virginia Beach headquarters to exemplify green practices.

Elizabeth River Project Executive Director Marjorie Mayfield Jackson says her favorite example of HRSD as environmental pioneer, though, involves the stories told by Danny Barker, HRSD environmental scientist, of hiking through dense briars along Wayne Creek, a finger of the Lafayette. “Danny said they went places no human had ever been,” says Jackson.

The HRSD team was on the hunt for the source of inexplicably high levels of bacteria to help Elizabeth River Project achieve a community-wide plan for the Lafayette. Barker’s team investigated not only the river banks, but in the lab, perfecting state-of-the-art “source tracking.” When a human source was identified, the city of Norfolk joined the search and found a leaking underwater sewer main. Within three months, Wayne Creek tested normal.

“HRSD is always there when the river has a need,” says Jackson, noting key monitoring performed for multiple studies, expansion of free pump out for boater sewage, and engineering of molds for citizen-scale oyster reefs.

Coming up on the second toilet door at the park: “What will toilets look like in the next 100 years?” HRSD will have the answer.

**CONTINUED FROM PREVIOUS PAGE**

HRSD’s technical services division gathers at its monitoring vessel, often deployed to help resolve river problems.

RIVER STARS 2016

**Inside Business River Star Hall of Fame**

2016 Winner – HRSD

2015 Winner – Wheelabrator Portsmouth

2014 Winner – Kinder Morgan/Elizabeth River Terminals

2013 Winner – Old Dominion University

2012 Winner – Port of Virginia

2011 Inaugural Winner – BAE Systems Norfolk Ship Repair

* vulcan norfolk sales yard – The aggregate yard purchased a front-end loader that is up to 30 percent more fuel-efficient than traditional equipment. The showcase yard in Norfolk also added more stormwater controls.

* vulcan westminster stone & recycling – Vulcan’s yard on the shores of the Eastern Branch added a large stormwater pond with a forebay to capture more pollutants and make maintenance easier than for more traditional stormwater ponds. This yard also purchased a fuel-efficient loader.

** HRSD shines brightest among 2016 stars

*THE BATHROOM DOOR at Paradise Creek Nature Park will ask visitors an intriguing question this fall.

“Over the last 100 years, what single change reduced bacteria-related pollution the most in the Elizabeth River?”

The answer inside: “Voters in 1940 created HRSD to keep human poo out of the river. Before that, your poo went straight to the river…25 million gallons of raw sewage dumped in local waters each day.”

HRSD – Hampton Roads Sanitation District – remains the largest discharger to the Elizabeth River but earns the spot in the Inside Business River Star Hall of Fame for 2016 for the wastewater treatment service’s unflagging focus on finding innovative new ways to reduce water pollution.

The education messages planned for the park’s composting toilets at Elizabeth River Project’s Fred W. Beazley River Academy, under construction this winter, will describe just the tip of the iceberg.

HRSD is engaged with area cities in massive upgrades of its aging pipes and treatment plants, in part to meet regulatory requirements but so often moving beyond the minimum to pursue new territory. When Elizabeth River Project asked, HRSD replaced a major pipe across the Lafayette. HRSD partnered with Elizabeth River Project to launch a citizen stewardship program that’s started a movement – River Star Homes, now copied throughout the region with Bay Star Homes. The wastewater agency added a massive green roof at its VIP plant on the Elizabeth, then built its new Virginia Beach headquarters to exemplify green practices.

Elizabeth River Project Executive Director Marjorie Mayfield Jackson says her favorite example of HRSD as environmental pioneer, though, involves the stories told by Danny Barker, HRSD environmental scientist, of hiking through dense briars along Wayne Creek, a finger of the Lafayette. “Danny said they went places no human had ever been,” says Jackson.

The HRSD team was on the hunt for the source of inexplicably high levels of bacteria to help Elizabeth River Project achieve a community-wide plan for the Lafayette. Barker’s team investigated not only the river banks, but in the lab, perfecting state-of-the-art “source tracking.” When a human source was identified, the city of Norfolk joined the search and found a leaking underwater sewer main. Within three months, Wayne Creek tested normal.

“HRSD is always there when the river has a need,” says Jackson, noting key monitoring performed for multiple studies, expansion of free pump out for boater sewage, and engineering of molds for citizen-scale oyster reefs.

Coming up on the second toilet door at the park: “What will toilets look like in the next 100 years?” HRSD will have the answer.

**CONTINUED FROM PREVIOUS PAGE**

HRSD’s technical services division gathers at its monitoring vessel, often deployed to help resolve river problems.

RIVER STARS 2016

**Inside Business River Star Hall of Fame**

2016 Winner – HRSD

2015 Winner – Wheelabrator Portsmouth

2014 Winner – Kinder Morgan/Elizabeth River Terminals

2013 Winner – Old Dominion University

2012 Winner – Port of Virginia

2011 Inaugural Winner – BAE Systems Norfolk Ship Repair

* vulcan norfolk sales yard – The aggregate yard purchased a front-end loader that is up to 30 percent more fuel-efficient than traditional equipment. The showcase yard in Norfolk also added more stormwater controls.

* vulcan westminster stone & recycling – Vulcan’s yard on the shores of the Eastern Branch added a large stormwater pond with a forebay to capture more pollutants and make maintenance easier than for more traditional stormwater ponds. This yard also purchased a fuel-efficient loader.