

VIRGINIA MILITARY INSTITUTE

LEXINGTON, VIRGINIA 24450-0304

CENTER FOR LEADERSHIP AND ETHICS

OFFICE 540-464-7361

FAX 540-464-7396

Virginia Relay/TDD dial 711

23rd Annual Environment Virginia Symposium 10-12 April 2012 Final Report

The 23rd Annual Environment Virginia Symposium took place 10 – 12 April 2012 and was successful from all perspectives, including programming, participation, networking, and budget.

Conference participation increased 6% in 2012, with over 790 people registering. Over 150 leaders gave presentations on environmental opportunities and concerns ranging from water quality to renewable energy and zero-waste strategies. A post-conference on-line evaluation resulted in a 42% response rate; highlights are described on page seven. Respondents represented new and returning attendees: 37% first-time attendees, 36% having attending two – four symposia, and nine percent having attended more than ten symposia.

Mission - The mission of Environment Virginia (EV) Symposium is to bring together the public and private sector to exchange information, technologies, and services to promote ecological sustainability and economic prosperity in the Commonwealth.

Management - The symposium is coordinated and managed by the Virginia Military Institute (VMI). The chairman of the symposium is CAPT Susan J. Rabern, Ph. D., U.S. Navy (Retired), Director, VMI Center for Leadership and Ethics. MAJ Amy K. DeHart, Acting Deputy Director, VMI Center for Leadership and Ethics, serves as the program coordinator and conference director.

Program

Overview

Staff at the VMI Center for Leadership and Ethics developed the conference program with guidance and assistance from the 2012 Program Advisory Committee. VMI assembled the committee in August 2011. Hosts and supporting organizations selected their representative. VMI augmented this core group by inviting leaders in the private and public sector who had a demonstrated commitment to the symposium. The 28-member committee (50% public sector and 50% private sector) convened via conference call approximately ten times. A complete list of the 2012 program committee members is listed in **attachment A**.

The program featured sessions that were developed to address timely and important environmental challenges that addressed the theme, *Collaboration, Innovation, Results*.

The committee affirmed three previous priorities for program development, and added a new one:

- Allot more time to hands-on learning by increasing breakout session opportunities
- Reduce opportunity for politicization by reducing the number of plenary sessions
- Ensure quality program opportunities for industry
- Focus on collaborative efforts.

Speakers

More than 150 leaders made presentations, including 62 from the private sector, 49 from academia, and 44 from the public sector.

- Tuesday sessions featured one plenary session and five tracks with 31 speakers. Wednesday and Thursday sessions included seven tracks and three plenary sessions. The tracks offered approximately six breakout sessions each.
- Speakers represented (complete list of speakers is provided in **attachment B**):
 - Academia (32%)
 - Business and Industry (30%)
 - State Government (12%)
 - Non-Governmental Organizations (10%)
 - Federal Government (9%)
 - Local Government (7%)

Sessions

Plenary Sessions

- Opening Session
 - Moderator: Virginia Secretary of Natural Resources Doug Domenech
 - Panelists: Former Secretaries: L. Preston Bryant, Jr., Becky Norton Dunlop, W. Tayloe Murphy, and John Paul Woodley, Jr.
- Wednesday Morning Session
 - Laura Fiffick, former Director of Environmental Quality, City of Dallas
- Wednesday Afternoon Session
 - Scott Sklar, President, The Stella Group, Ltd.
- Thursday Morning Panel Session
 - Charles Luck, President and CEO, Luck Companies
 - Linda Schreiner, Senior Vice President, MeadWestvaco

Tracks

Tuesday

- 1) Stormwater Toolbox for Municipalities
- 2) Uranium Mining in Virginia
- 3) Future Perspectives in Environmental Education
- 4) Manure to Energy
- 5) Developing Renewable Energy in Virginia

Wednesday/Thursday

1. Getting to Zero Waste
2. Chesapeake Bay – WIP Phase II
3. Sustainability in Higher Education
4. Land Conservation
5. Air Quality and Water Supply
6. Water: Management, Quality and Dam Safety
7. Speed Presentations

Program-related Events

- Conference opening - Tribute to the late Captain Erchul
- Environment Virginia Banquet
 - Delegate Ben Cline gave brief remarks
 - Awards Presentations
 - Erchul Environmental Leadership Award
 - Winners: Tim Hayes and Cabell Brand
 - Governor's Environmental Excellence Awards
 - Gold Medal winners: Clarke County Conservation Easement Authority; NASA Goddard Wallops; NASA Langley Research Center; Naval Station Norfolk; Virginia Department of Corrections
 - Silver Medal winners: Cargill Dayton / Harrisonburg Complex; Covanta Fairfax, Inc.; Northern Neck Land Conservancy; University of Virginia Department of Parking and Transportation
 - Bronze Medal winners: Defense Supply Center Richmond; Hopewell Cogeneration Facility; Radford University; Volvo Trucks North America, The NRV Plant, Dublin
 - Honorable mentions were won by thirteen submitters.
- Virginia Low-Impact Development Design Competition – funded by the National Fish and Wildlife Federation and organization by the James River Association and the Friends of the Rappahannock – Awards were presented in three categories at the luncheon on Thursday (\$15,000@). Lightning presentations for the final judging round took place earlier Thursday as part of the symposium agenda.
- Several independent meetings took place on Post during the symposium.

Call for Papers

For the second year in a row, VMI coordinated a Call for Papers that resulted in many of the breakout sessions presentations. The 2012 Call different from the 2011 call in that authors were invited to chose among two formats, traditional presentations or a five-minute speed presentation. Professionals and academics with data from research or programs that might be useful to others were invited to submit an abstract. This year a new online system powered by a private vendor was used to submit and evaluate the abstracts and received positive reviews.

Professional and Undergraduate Call

A call was launched in October inviting submission of abstracts for traditional or speed presentations. Over 85 abstracts were submitted by the 16 December deadline, however few students responded. A second call directed to undergraduates was launched in December for 5-minute speed presentations. Overall, 105 abstracts were submitted and 76 were accepted. The 5-minute speed track was well-received. Abstracts were invited to address environmental topics, including, but not limited to:

- Chesapeake Bay TMDL & WIP
- Stormwater Management
- Emergency Response
- Water Supply
- Energy
- Land & Historic Preservation
- Zero Waste and Beyond
- Agriculture
- Ecology

- Air Quality
- Communications
- Environmental Education
- Sustainability in Higher Education

Abstracts were evaluated on the following elements:

- Measureable environmental improvement
- Measureable cost savings or efficiency
- Collaboration
- Innovation
- Virginia-focused research
- Ability to replicate in other businesses, governments, or organizations
- Currency

All abstracts were evaluated using a blind evaluation system. Professional abstracts were reviewed by other professionals from a variety of disciplines from across the commonwealth; undergraduate abstracts were reviewed by VMI faculty. Reviewers were:

Paul Ackerman, William Alexander, Chris Bachmann, Sharon Baxter, Tina Bickerstaff, Christie-Joy Brodrick Hartman, Bob Carter, Colonel John Cerkey, Bryan Chrisman, David Coffey, Major Randy Cone, Major Jenny deHart, Major Pieter deHart, Ann Marie Gathright, Bill Gill, Dave Gunnarson, Laura Henry-Stone, David Jasinski, Paula Jasinski, Major David W. Johnstone, Major Emily Lilly, Darrell Marshall, Chuck Mason, Colonel Christina McDonald, Zoe Miles, Major Tim Moore, Todd Pegg, Ann Regn, Captain John “Ned” Riester, Sarah Richardson, Kevin Sellner, Rear Admiral Greg Shear (ret), Dann Sklarew, Tom Smith, Jeffrey Tang, Colonel Roger C. Thompson, Jim Thornton, Frits van der Leeden, Stephen Versen, and Colonel Vonda Walsh.

Participation

Participation in the conference exceeded expectations, with more than 790 people registered, a 6% increase from 2011. All hosts and supporting organizations returned from EV2011 except one, the Virginia Department of Game and Inland Fisheries.

Shuttle vans transported participants from many area hotels and the Stonewall Square Shopping Center to VMI Marshall Hall. While parking is extremely limited on the VMI Post, available slots were designed for plenary session and for breakout session speakers on the day of their presentations. There was some confusion on the first day of the symposium when VMI staff inadvertently opened the Parade Ground for parking. This parking was not intended for EV2012 participants and cannot be offered in the future.

Attendees and exhibitors registered on-line with a web-based system contracted with an independent vendor. It provided a favorable experience for both attendees and vendors.

Hosts and Supporting Organizations

Hosts:

- Virginia Department of Environmental Quality
- Virginia Department of Conservation and Recreation
- Virginia Environmental Endowment
- Virginia Military Institute

Exhibitors

The exhibit hall was located in the Hall of Valor (HoV) of the Marshall Hall, Center for Leadership and Ethics. It featured 51 exhibit vendors. Hosts, supporting organizations, three-star, and two-star exhibitors were located on the first floor (19 booths) and 32 one-star exhibitors were located on the balcony. For the first time in modern memory, not all booths available were occupied. Meals, including the conference banquet took place in the HoV. All plenary sessions took place in Marshall Hall.

Three-Star Exhibitors:

- Georgia-Pacific
- Newport News Shipbuilding
- O'Brien & Gere
- Smithfield Foods
- Virginia Department of Historic Resources
- Waste Management of Virginia, Inc.
- Wetland Studies and Solutions, Inc.

Two-Star Exhibitors:

- Ashlawn Energy, L.L.C
- Environmental Resource Management, Inc. (ERM)
- Froehling & Robinson, Inc.
- Luck Stone Corporation
- Mohawk Industries
- Sonoco Recycling, Inc.
- VHB/Vanasse Hangen Brustlin, Inc.
- Virginia Department of Agriculture and Consumer Services

One-Star Exhibitors (**Attachment C**)

Sponsors

For the first time, VMI offered symposium sponsorships for the Tuesday reception and Wednesday banquet, providing sponsors visibility and other entitlements for financial support. There were well received, with Dominion Resources and Norfolk Southern serving as the banquet sponsors and the Keith Campbell Foundation for the Environment serving as the reception sponsor.

The VMI Foundation (whose mission is to raise, steward, and invest private financial support for the sole purpose of advancing Virginia Military Institute) received sponsorship support for the 23rd Annual Environment Virginia Symposium from MeadWestvaco Foundation.

Attendees

Overall, we saw a 6% increase in participation. Participants from the private sector comprised 68% of attendance while the public sector accounted for the other 32 percent. The number of business, government, and non-profit representation remained steady; academia saw a large increase, possibly due to the response from the call for papers. (**Table One**)

Organizations

A total of 344 organizations were represented by attendees at EV2012. Forty seven percent [47%] of these organizations were business (35%) or industry (12%); Twenty-six percent [26%] government (16% local), (6% state) and (5% federal); Sixteen percent [16%] non-governmental organizations, and eleven percent [11%] academic. **Attachment D** provides a complete list of participating organizations.

Table One

Table of Participation - Attendance - EV 2011 vs. EV 2012		
ITEM	EV 2011	EV 2012
Attendee Stats		
Total attendees	748	789
Business/Industry	40%	38%
Government	32%	28%
	<i>85 Fed, 70 Local, 83 State</i>	<i>39 Fed, 85 Local, 98 State</i>
Non-Governmental Organizations	11%	11%
Academia/students	17%	23%
Exhibitor Stats		
Total booths	55	51
Host booths	2	2
Three-star	11	8
Two-star	7	9
One-star	26	32
Sponsor and Host Stats		
Hosts	4	3
Supporting Orgs	2	0
Sponsors	6	5

Financial Summary

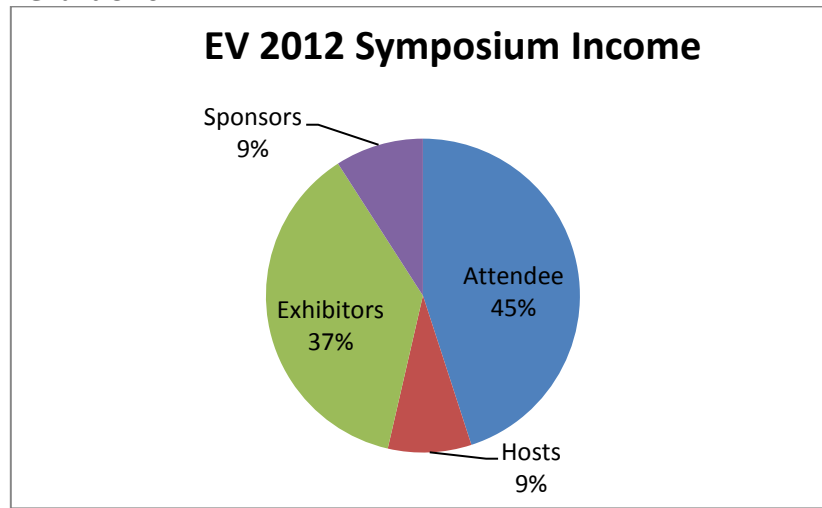
EV2012 achieved its financial goals. Increased attendee participation led good financial health for the 23rd annual symposium. Rate reductions were almost universal to encourage continued participation during an economic climate that continues to see tightening government budgets and cautious business and non-profit spending. These rate decreases followed several years of no increases and many decreases. (**Table Two**)

Table Two

Fees - EV 2011 vs. EV 2012		
ITEM	EV 2011	EV 2012
Regular Registration Rates		
Business	\$350	\$300
Government	\$240	\$240
Non-Profit & Academia	\$150	\$160
Student	\$30	\$30
Exhibitor Stats		
One-Star Exhibitor	\$750	\$750
Two-Star Exhibitor	\$3,200	\$3,000
Three-Star	\$5,000	\$5,000
Sponsor and Host Stats		
Hosts	\$7,000	\$6,600
Supporting Orgs	\$4,000	\$4,000
Sponsor-Banquet	NA	\$5,000
Sponsor-Reception	NA	\$3,000

Conference expenses increased due to transportation, staffing, signage, and printing. Decreases in spending were made in food and speaker expenses, with no identified ill-effects. Conference revenues were generated through attendee registration (45%), exhibitors (37.3%), sponsors (9.1%), and hosts (8.7%). **(Chart One)**

Chart One



Evaluation Results

VMI conducted an on-line evaluation to invite feedback from conference attendees. We emailed to 701 email addresses, inviting participation in the on-line survey, 13 – 30 April 2012. The response rate was 42%, with 334 respondents. Respondents self-identified as 41% government, 36% as business/industry, 7% as representing non-governmental organizations and 16% as academia/student/citizen. After the initial survey launch, some problems with the survey were discovered. The problems were corrected and the survey resent promptly, however, some of the questions were flawed. In the future, extra time will be given to preparing and checking the survey to improve the design and functionality.

- A. A breakout down shows a very healthy mix of new and veteran symposium participants.
 - First year - 36% of respondents.
 - Two – four years - 37% of respondents
 - Five – Ten years – 17.8%
 - More than 10 – 9.3%
- B. Ninety-nine percent (98.7%) of attendees rated their overall experience at the conference from good to excellent, with 39% giving the symposium a 5/5 and 49% giving it a 4/5. Four people gave it a 2/5 and no one recorded complete dissatisfaction.
- C. Seventy-eight percent are planning to participate in the 2013 symposium, which 21% may participate. Unfortunately, four respondents left dissatisfied.
- D. Networking and breakout session participation were the primary reasons for attending the symposium.

- E. Participation Days:
- The conference saw a good balance of participation with the first and last days having roughly equal participation and the middle day with the highest participation.
 - Tuesday - 74% of respondents attended, down 3% from 2011.
 - Wednesday 83.4% of respondents attended, down 8% from 2011.
 - Thursday - 71% of respondents attended, up 3% from 2011.
 - These changes were likely due to two program features: Tuesday's opening session featured four previous Secretaries of Natural Resources and the VIP reception. This likely drew some Tuesday-only attendees. Thursday's Low-Impact Development Awards and paper session presentations may have attracted more Thursday only participants.
- F. Speakers who responded were highly satisfied with their experience, with 100% indicating that the venues and support staff met their presentation needs and 99% indicating they would likely speak at a future EVs.
- G. The plenary sessions each received strong ratings from the respondents with Laura Fiffick's presentation on belt tightening and sustainability the most highly rated.
- H. Tuesday's tracks met or exceeded the expectations of 61% of respondents, with 12% indicating that the program exceeded their expectations. Respondents attended the tracks in the following numbers:
- Stormwater Toolbox for Municipalities – 33%
 - Developing Renewable Energy in Virginia – 25%
 - Uranium Mining in Virginia – 19%
 - Manure to Energy – 16%
 - Environmental Education – 7%
- I. Wednesday/Thursday tracks also received strong ratings, with 78% of respondents indicating that the overall quality of the breakout sessions met (57%) or exceeded expectations (21%). Respondents attended the tracks in the following numbers:
- Chesapeake Bay TMDL - 31%
 - Stormwater, Water Quality, and Dam Safety – 28%
 - Speed Presentations – 19%
 - Getting to Zero Waste - 17%
 - Land Conservation – 16%
 - Air Quality and Dam Safety – 15%
 - Sustainability in Higher Education – 11%
- J. Exhibitors who responded were very satisfied with their experience in reaching their target audience, with 92% indicating exceeded or met expectations.
- 38% expectations exceeding
 - 54% expectations met
- K. "Gaining exposure for my organization" ranked as the top goal for exhibitors and "developing relationships to assist my organization" was second.
- L. Suggestions by respondents:

- Over 100 suggestions for speakers or topics
 - 70 suggestions for improving breakout sessions
 - 52 company recommendations
 - Eight suggestions for improving value for exhibitors
- M. Staff service, conference facilities, recycling/composting, and registration process received very high ratings from the respondents, with each receiving over 66% at the highest level and a 99% satisfaction level overall. Attendees were less satisfied with parking and price. Seven percent found the shuttle service and printed materials needing improvement.
- N. Of those who responded, email was the number one avenue for reaching the attendees about the conference, word-of-mouth and printed mailings came in second and third, respectively.

Recommended changes for Environment Virginia 2013

1. Strengthen and innovate outreach efforts to industry and local government.
2. Emphasize that CEU applications must be turned in prior to leaving the conference.
3. Make improvements to parking- shuttle service instructions.
4. Rewrite survey so it is clearer and ensure it is working correctly prior to sending out to attendees.

Attachment A: 2012 Environment Virginia Symposium: Program Advisory Committee

Public Sector:

State Government

Sharon Baxter, Virginia Department of Environmental Quality
John Bull, Virginia Marine Resources Commission
Bob Carter, Virginia Department of Historic Resources
Mike Foreman, Virginia Department of Conservation and Recreation
Darrell Marshall, Virginia Department of Agriculture and Consumer Services
Rick Weeks, Virginia Department of Environmental Quality
David Whitehurst, Virginia Department of Game and Inland Fisheries
Jeb Wilkinson, Virginia Department of Conservation & Recreation

Federal Government

Andrew Larkin, U.S. National Oceanic and Atmospheric Administration
Mark Mansfield, USACE Norfolk District
Wade Biddix, Natural Resource Conservation Service

Local Government

Bryan Chrisman, Town of Luray

Private Sector:

Business

Tina Bickerstaff, O'Brien & Gere
Chris Pomeroy, AquaLaw
Ann Marie Gathright, Environmental Standards

Industry

Pamela Faggert, Dominion Resources
William D. Gill, Smithfield Foods, Inc.
David Gunnarson, Lockheed Martin Corporation
Lisa Kardell, Waste Management of Virginia
Zoe Miles, Georgia-Pacific Corporation
James Thornton, Northrop Grumman Shipbuilding

NGO

Cabell Brand, Brand Center for International Poverty and World Resources
Nathan Lott, Virginia Conservation Network
Jerry McCarthy, Virginia Environmental Endowment
Peggy Sanner, Chesapeake Bay Foundation

Academia, Virginia Military Institute

Jenny deHart
Pieter A. deHart
Tim O. Moore II

Program Chairman:

CAPT Susan Rabern, USN (Retired), Director, VMI Center for Leadership and Ethics

Program Coordinator:

MAJ Amy DeHart, Acting Deputy Director, VMI Center for Leadership and Ethics

Attachment B:**Speakers – plenary, breakout sessions, workshops (Total: 153)**23rd Annual Environment Virginia Symposium

Sector	Name	Organization
Academic (49)	O'Brien, Christopher	American University
	Molalenge, Teshome	Bridgewater College
	Johnson, David	Ferrum College
	Lo, Margaret	George Mason University
	Sklarew, Dann	George Mason University
	Adolph, Jackson	JMU
	Benedict, Hillary	JMU
	Brodrick Hartman, Christie-Joy	JMU
	Kaufman, Abe	JMU
	Luria, Lindsey	JMU
	Martindale, Amanda	JMU
	McCloud, Robert	JMU
	Papadakis, Maria	JMU
	Pyle, Eric	JMU
	Roberts, Jared	JMU
	Wiggins, Jeff	JMU
	Locke, Paul	John Hopkins University
	Martin, Kelly	Longwood University
	Erickson, Nels	Lynchburg College
	Fan, Chunlei	Morgan University
	Stephens, Julio	Radford University
	Roth, Richard	Radford University Environmental Center
	Novakovic, Robert	Roanoke College
	Throwe, Joanne	University of Maryland Environmental Finance Center
	Crisman, Phoebe	UVA
	Ellis, James	UVA
	Nay, John	UVA
	Tanzer, Kim	UVA
	Brown, Bonnie	VCU
	Higgins, Colleen	Virginia Commonwealth University
	Bendfeldt, Eric	Virginia Cooperative Extension
	Kouri, Sidney	Virginia State University
	Sriharan, Shobha	Virginia State University
	Ackerman, Paul	Virginia Tech
	Cochrane, Dennis	Virginia Tech
	Ling, Erin	Virginia Tech

Business (46)

Niewolny, Kim	Virginia Tech
Reiter, Mark	Virginia Tech
Sample, David	Virginia Tech
Schnitzer, Marcy	Virginia Tech
Stephenson, Kurt	Virginia Tech
Wallace, Carlington	Virginia Tech
Yagow, Gene	Virginia Tech
Hagos, Noah	VMI
Sykes, Benjamin	VMI
Bolton, Becca	Washington and Lee University
Henry Stone, Laura	Washington and Lee University
Jacobs, Tal	Washington and Lee University
Laubach, Kerriann	Washington and Lee University
Dix, Dan	All4 Inc.
Swisher, Eric	All4 Inc.
Gruber, David	Biological Monitoring, Inc.
Bose, Ranendra	Bose Research & Development Inc
Herr, Jeff	Brown and Caldwell
Jeffrey, Lisa	Brown and Caldwell
Van Voorhis, Chandler	C2I, LLC
Cavanaugh, Steve	Cavanaugh & Associates, P.A.
Jernigan, Will	Cavanaugh & Associates, P.A.
Sonne, Chris	Civil & Environmental Services
Coker, Craig	Coker Composting and Consulting
Smith, Robert	Dominion Resources
Cosby, Sarah	Dominion Resources
Lawless, Mike	Draper Aden Associates
Newcomb, William	Draper Aden Associates
Lupacchino, Jim	DuPont
Call, Jennifer	Energy Points
Bressler, Bernly	Environmental Resources Management, Inc. (ERM)
Vitale, Rock	Environmental Standards, Inc.
Cannatella, Quentin	ERM
Sipher, Donald	Froehling & Robertson, Inc.
Brickner, Bob	Gershman, Brickner & Bratton, Inc.
Katiyar, Nitin	HDR HydroQual
Kellogg, Laura	Homeland Renewable Energy - Fibrowatt
Wimbush, Eboni	Johnson Controls, Energy Solutions
Johnson, Jennifer	Joyce Engineering
McGraner, Jerry	Joyce Engineering
Stuver, Brian	Joyce Engineering
Hughes, Richard	Lawrence Perry and Associates
Westerbeek, Kraig	Murphy Brown LLC

	Copas, Kyle	NatureServe
	Garry, Megan	Norfolk Southern Corporation
	Corrigan, Douglas	Riverstone Energy Center
	Smith, Anthony	Secure Futures LLC
	Stoll, Hugh	Secure Futures LLC
	Beem, Rocky	Smithfield Foods
	Lassalle, Eric	Smithfield Foods
	Bailey, Raymond	Smithfield Packing Company
	Bowen, Jody	Sonoco Recycling Inc.
	Taylor, William	TEC Inc.
	Wible, Chris	The Scotts Miracle-Gro Company
	Hopkins, Peter	Timberlake Dam
	Van Der Hyde	Van Der Hyde Dairy
	van der Linde, Peter	van der Linde Recycling and Container Rentals
	Lengowski, Frances	VMDO Architects
	Simpson, Tom	Watershed Stewardship, Inc.
	Beisch, Doug	Williamsburg Environmental Group, Inc.
GOV. Fed (14)	Egidi, Philip	EPA
	Frye, Jack	Chesapeake Bay Commission
	Giuranna, Mike	EPA
	Doherty, Jonathan	National Park Service
	Muir, Warren	National Research Council
	Hall, Galon	NRCS
	Kidd, Greg	NRCS
	Stone, Jeremy	NRCS
	Alton, Amy	US Army
	Hamor, Michelle	US Army Corps of Engineers
	Lockwood, Keith	US Army Corps of Engineers
	Pretlow, Robert	US Army Corps of Engineers
	von Till, Bill	US Nuclear Regulatory Commission
	Nelms, David	USGS
GOV. Local (11)	Morgan, Patrick	Augusta County
	Perrow, Turner	City of Lynchburg
	Teetor, Alison	Clarke County Conservation Easement Authority
	Goulet, Normand	Div. of Planning & Environmental Services Northern VA Regional Comm.
	Tribo, Jennifer	Hampton Roads Planning District Commission
	Marsh, William	Loudoun County, Virginia
	Utt, Shawn	Pulaski County
	Hubble, Steve	Stafford County, Environmental Division
	Berger, JC	Virginia Soil and Water Conservation District
	White, Robert	Region 2000 Local Government Council
	Keihn, Jill	Northern Shenandoah Valley Regional Commission

**GOV. State
(17)**

Banks, Charley	DCR
Bennett, Robert	DCR
Davis-Martin, James	DCR
Elton, Joe	DCR
Fritz, Doug	DCR
Pennington, Amanda	DCR
Seeley, Gerry	DCR
Snead, Ginny	DCR
VanLier, Robert	DCR
Dowd, Michael	DEQ
Kiss, Mike	DEQ
Paylor, David	DEQ
Stephenson, Tammy	DEQ
Weeks, Rick	DEQ
Cristman, Clyde	Senate Finance Committee
Versen, Stephen	VDACS
Rhoades, Eric	Virginia Department of Education

NGO (16)

Beery, Anthony	Beery Farms
Battiata, Joseph	Center for Watershed Protection, Inc.
Baugh, Don	Chesapeake Bay Foundation
Greenleaf, Laura	Riverine Chapter of Virginia Master Naturalists
Hutchinson, John	Shenandoah Valley Battlefield Foundation
Hughes Evans, Kristen	Sustainable Chesapeake
Garrette, Justin	The Cabell Brand Center
Dunscumb, Judy	The Nature Conservancy
Lindeman, Steve	The Nature Conservancy
Rovner, Nikki	The Nature Conservancy
Land, Larry	Virginia Association of Counties
Matthews, Jeff	Virginia Outdoors Foundation
Hughes, Shereen	Wetlands Watch
Stiles, William	Wetlands Watch
Brown, Rose	Zero Garbage Challenge
Rogers, Ed	Clean Energy Research & Development Center

One-Star Exhibitors 23rd Annual Environment Virginia Symposium

Aegis Environmental, Inc.
Air Water & Soil Laboratories, Inc
ATAS International, Inc.
Biological Monitoring, Inc.
Bowman Consulting Group
Brown and Caldwell
Earth Vector Systems
ECS Mid-Atlantic, LLC
Environmental Alliance, Inc.
Friends of the Rappahannock
In-Situ Inc.
James Madison University - Institute for Stewardship of the Natural World
James River Association
J. Mitsak & Associates, P.C.
Joyce Engineering, Inc.
Pew Environment Group
Pine Environmental Services
Potesta & Associates, Inc.
Potomac Environmental, Inc.
PSC Environmental Services, Inc.
Republic Services
Rinker Design Associates, P.C.
Riverbend Nursery
SCS Engineers
Simon & Associates, Inc.
Timmons Group
U.S. Army Corps of Engineers, Norfolk District
VA Section American Water Works Association
Veolia ES - Technical Solutions, L.L.C.
Virginia Natural Resources Leadership Institute
Virginia Section American Society of Civil Engineers
Virginia Turfgrass Council
Williamsburg Environmental Group, Inc.

Attachment D:**Organizations Represented at 23rd Annual Environment Virginia Symposium**

Category (344)	Organization
Academic (38)	American University
	Bridgewater College
	Christopher Newport University
	College of William & Mary
	Ferrum College
	George Mason University
	Hollins University/Emory & Henry College
	ICTAS
	Indiana University-Bloomington
	James Madison University, Valley 25x'25
	James Madison University
	John Hopkins University
	John Tyler Community College
	Longwood University
	Lynchburg College
	Mary Baldwin College
	McCoy
	Morgan University
	NOVA
	Old Dominion University
	Radford University
	Radford University Environmental Center
	Roanoke College
	Santa Fe College
	Student
	The College of William and Mary
	Tidewater Community College
	University of Mary Washington
	University of Maryland Environmental Finance Center
	University of Virginia
	Virginia Commonwealth University
	Virginia Center for Coal and Energy Research
	Virginia Cooperative Extension
	Virginia State University
	Virginia Tech
	Virginia Military Institute
	VPI Water Authority
	Washington and Lee University

Business (161)

A. Morton Thomas and Associates, Inc.
Advantus Strategies
AECOM
Aegis Environmental, Inc.
Air Water & Soil Laboratories, Inc
ALA
All Virginia Environmental Solutions, Inc,
All4 Inc.
Analytical Perspectives
Anderson & Associates, Inc.
Angler Environmental
Apex Wind Energy, Inc.
Appalachian Power Company
AquaLaw
Ashlawn Energy, LLC
ATAS International, Inc.
Atoka Conservation Exchange
Babcock & Wilcox Company
BAE Systems
Ball Advanced Aluminum Technologies
Beery Farms
Biological Monitoring, Inc.
Black Bear Composting
Blue Ridge Heritage, Inc.
Bose Research & Development Inc
Bowman Consulting Group
Boxley Materials Company
Brown and Caldwell
C2I, LLC
Capital Results
Cardno TEC
Cargill, Inc.
Cavanaugh & Associates, P.A.
CH2M HILL
CHA Consulting, Inc.
Chaloux Environmental Communications, Inc. (CEC)
Chesapeake Bay Nutrient Land Trust, LLC
Civil & Environmental Services
Cogentrix Energy
Coker Composting and Consulting
Counts & Dobyns, Inc.
Covanta Energy

Cowen Design Group
Dominion Resources
Draper Aden Associates
DuPont
Earth Vector Systems
Eckert Seamans Cherin & Mellott, LLC
Ecology and Environment, Inc.
ECS Mid-Atlantic, LLC
EEE Consulting, Inc
Energy Points
Enviro Mechanical Sales, Inc.
Environmental Alliance, Inc.
Environmental Banc & Exchange (EBX)
Environmental Resources Management, Inc. (ERM)
Environmental Standards, Inc.
ESS Group, Inc.
Evonik Goldschmidt Corporation
Fibrowatt USA
Filtterra Bioretention Systems
First Piedmont Corporation
Froehling & Robertson, Inc.
g booker 3, llc
GAI Consultants, Inc.
Gannett Fleming, Inc.
Georgia-Pacific
Gershman, Brickner & Bratton, Inc.
Greeley and Hansen
Green Leaf Solutions LLC
Greif
HDR|HydroQual
Hinchey & Baines, PLC
Homeland Renewable Energy - Fibrowatt
Hopewell Cogeneration Facility
Hunton & Williams
HydroMetrics Water Resources Inc
Iluka Resources Inc
In-Situ Inc.
J. M. Waller Associates Inc.
J. Mitsak & Associates, P.C.
Johnson Controls, Energy Solutions
Joyce Engineering
JVR Environmental

Law Offices of W. Tayloe Murphy
Lawrence Perry and Associates
Lee and Associates, Inc.
Little Acorn Farm
Lockheed Martin
Luck Stone Corporation
Malcolm Pirnie ARCADIS
Maroon Consulting
Marstel-Day LLC
McGuireWoods Consulting LLC
McKee Foods
McQuay International
MeadWestvaco
Merck & Co., Inc.
Michael Baker Jr., Inc.
Mid-Atlantic, LLC
MillerCoors LLC
Mohawk Industries - Lees Carpet
Murphy Brown LLC
NatureServe
Newport News Shipbuilding
Nitsch Engineering, Inc.
Norfolk Southern Corporation
O'Brien & Gere
ONE Environmental Group
Parsons Brinckerhoff
Philip Morris USA
Pine Environmental Services, Inc
Potesta & Associates, Inc.
Potomac Environmental, Inc.
Prism Laboratories, Inc.
PSC Environmental Services, LLC
Pure Environmental Solutions
REIC Laboratories
Republic Services, Inc
Rinker Design Associates, P.C.
Riverbend Nursery
Riverstone Energy Center
Roanoke Cement Co LLC
SAIC
Sands Anderson
Schnabel Engineering

Schneider Electric Energy Solutions
Science Applications International Corporation
SCS Engineers
Secure Futures LLC
Shoosmith Bros., Inc
Simon & Associates, Inc.
Smithfield Foods
Smithfield Packing Company, Inc.
Solid Waste Services, LLC
Sonoco Recycling, Inc.
TEC Inc.
The Scotts Miracle-Gro Company
The Stella Group, Ltd.
Timmons Group
Total Environmental Concepts, Inc.
Trane
Transcontinental Gas Pipe Line Company, LLC
VanDerHyde Dairy
van der Linde Recycling and Container Rentals
Veolia ES - Technical Solutions, L.L.C.
VHB/Vanasse Hangen Brustlin, Inc.
Virginia Uranium, Inc.
VMDO Architects
Volvo Trucks
Waste Management
Wastewater Diversion Systems, Inc.
Water Management
Watershed Stewardship, Inc.
Wetland Studies and Solutions, Inc.
Wiley Wilson
William H. Gordon Associates
Williams Mullen
Williamsburg Environmental Group, Inc.
WW Associates
733d MSG Civil Engineer Division
Defense Supply Center Richmond, DS-FREE
EEI Contractor @ JBLE-Ft Eustis
EPA
Joint Base Langley-Eustis
Joint Base Langley-Eustis (Eustis)
NASA Langley Research Center
NASA Wallops Flight Facility

GOV. Fed (17)

National Park Service
National Research Council
NRCS
U.S. Army
U.S. Nuclear Regulatory Commission
US Army
US Army Corps of Engineers
US Nuclear Regulatory Commission
USGS

GOV. Local (54)

Central Shenandoah Planning District
City of Charlottesville
City of Chesapeake
City of Danville
City of Fredericksburg
City of Hampton
City of Lexington
City of Lynchburg
City of Newport News
City of Norfolk
City of Poquoson
City of Richmond
City of Richmond, Department of Public Utilities
City of Roanoke
City of Salem, Engineering & Inspections Dept
City of Staunton
City of Virginia Beach
City of Virginia Beach, Planning
Clarke County Conservation Easement Authority
County of Albemarle
County of Amelia
County of Augusta
County of Bath
County of Bedford
County of Carroll
County of Chesterfield, Utilities
County of Fairfax
County of Fairfax, Stormwater, DPWES
County of Frederick, Dept. of Public Works
County of Goochland
County of Henrico
County of Loudoun
County of Page

County of Prince William, Service Authority
County of Pulaski
County of Roanoke, Community Development
County of Roanoke, Parks, Recreation and Tourism
County of Spotsylvania
County of Stafford, Environmental Division
County of Washington
County of Westmoreland
Div. of Planning & Environmental Services Northern VA
Regional Comm.
Hampton Roads Planning District Commission
Hampton Roads Sanitation Division
NAVFAC Midlant, PWD Norfolk
Newport News Waterworks
Pepper's Ferry Wastewater Authority
Thomas Jefferson Planning District Commission
Thomas Jefferson Soil & Water Conservation District
Town of Christiansburg
Town of Hillsville
Town of Luray
Virginia Soil and Water Conservation District

GOV. State (20)

Aide to Delegate Don Merricks
Chesapeake Bay Commission
DCR
Dept. of Alcoholic Beverage Control
DEQ
DHR
House Appropriations Committee
Office of Governor Bob McDonnell
Office of the Attorney General
Office of the Secretary of Transportation of Virginia
Senate Finance Committee
VA Dept of Game and Inland Fisheries
VDACS
VDOT
Virginia Department of Corrections
Virginia Department of Education
Virginia Department of Game and Inland Fisheries
Virginia Department of Health
Virginia General Assembly
Virginia Marine Resources Commission
Alliance for the Chesapeake Bay
Audubon Naturalist Society/HOPE Impacts

NGO (54)

Center for Progressive Reform
Center for Watershed Protection, Inc.
Chesapeake Bay Foundation
Eastern Shore RC&D
Friends of the No. Fork Shenandoah River
Friends of the Rappahannock
George C. Marshall Foundation
James River Association
Keep Virginia Beautiful
Keith Campbell Foundation for the Environment
Northern Neck Land Conservancy
Northern Shenandoah Valley Regional Commission
Pew Environment Group
Piedmont Environmental Council
Potomac Conservancy
Potomac Riverkeeper (member)
Private Citizen
Rappahannock-Rapidan Regional Commission
Region 2000 Local Government Council
Retired Consultant
Rivanna River Basin Commission
Riverine Chapter of Virginia Master Naturalists
Roanoke Valley Clean Valley Coalition
Roanoke Valley Cool Cities Coalition
Shenandoah Valley Battlefield Foundation
Sierra Club
Southern Environmental Law Center
Sustainable Chesapeake
The Cabell Brand Center
The Campbell Foundation
The Campbell Institute
The Heritage Foundation
The Nature Conservancy
The Northern Neck Land Conservancy
Timberlake Dam
VA Alternative & Renewable Energy Association
VAAWWa
Valley Conservation Council
Virginia Agribusiness Council
Virginia Association of Counties
Virginia Conservation Network
Virginia Environmental Endowment

Media (2)

Virginia Farm Bureau Federation
Virginia Interfaith Center
Virginia Living Museum
Virginia Municipal League
Virginia Outdoors Foundation
Virginia Turfgrass Council
Wetlands Watch
Zero Garbage Challenge
Better World Betty
Clean Energy Research & Development Center
Rockbridge Weekly
WSLS-TV (NBC, Roanoke)