Paper Presentations

Title	Presenter(s)	Organization
Alternative Fuel Vehicle		
A Novel Harvesting Strategy For Algae-based Biofuels	Caleb Talbot Christopher Bachmann Premal Patel	James Madison University James Madison University Massanutten Regional Governor School
Converting Waste Cooking Oil To Biodiesel - Continuous Flow Packed Bed Reactor	Parker Helble	James Madison University
Reducing the Cost of Biodiesel Production in Virginia	Jonathan Hawkins Jason McNamara Chris Bachmann	James Madison University James Madison University James Madison University
Scientific Evaluation of a Novel Vehicle Exhaust Emission Reduction Technology	Joseph Crosbie Chris Bachmann	James Madison University James Madison University
Communication, Education, and Ecology		
A Successful Partnership for Community Education	Karen Forget Bill Johnston	Lynnhaven River NOW & City of VA Beach City of Virginia Beach, Public Works
Achieving a Deeper Shade of Green: Marstel-Day Conservation Consulting	Rebecca R. Rubin	Marstel-Day, LLC
Connecting Bay Bottom to Coastal Policy Decisions	Paula Jasinski Mark Bryer	Chesapeake Environmental Communications The Nature Conservancy
Educating about Health + Design: A Critical Evaluation of the Learning Barge	Phoebe Ann Crisman	University of Virginia
Environmental Justice Implications of Air Pollution in the Norfolk, VA Area	Peerawat Charuwat	Virginia Military Institute
LEED-ing Through On-Campus Renewable Energy: Going from Certified to Platinum	Anthony Smith Hugh Stoll Matthew Ruscio	Secure Futures LLC Secure Futures LLC Secure Futures LLC
Monitoring harmful marine debris, one balloon at a time	Katie Register	Clean Virginia Waterways & Longwood University
Palletecture: Reuse of Materials and Growth of Green Roofs at a New Bus Stop St	Kenneth Black	Virginia Tech
Saving Pleasure House Point: A Success Story in Urban Land Conservation	Chris Moore	Chesapeake Bay Foundation
Sediment Restoration Involving a Combination of Dredging, Capping and Wetland Creation at Money Point in Chesapeake, Virginia	Jack Moore	AECOM
Systemic Environmental Literacy Program	Cindy Duncan Bill Portlock	Chesapeake Bay Foundation Chesapeake Bay Foundation
The Places We Eat: Leveraging the Power of Design to Transform Childhood Wellness	Robert Moje	VMDO Architects
Working Together for Climate, Environment & Readiness in VA: CLEAR Action Plan	Rebecca R. Rubin	Marstel-Day, LLC
Social Media		
Crisis Management: Legal Implications of Initial Decisions	Paul Thomson Daniel Summerlin	Woods Rogers PLC Woods Rogers PLC
Energy		
Assessment of Hydraulic Fracturing, CO_2 Sequestration, Total Dissolved Solids, and Water Availability in the Shenandoah Mtn. Region	Hillary Benedict Matthew Wisniewski	James Madison University James Madison University

The Effect of Plant-Microbial Fuel Cell Operation on the in situ Growth of Plants	Vincent Zampelli Chris Diacheck	James Madison University James Madison University
Design of a Two-Phase Energy System	Jacquelyn Nagel	James Madison University
Nutrient Management		
A Modeling Toolbox and Process for Setting Site-Specific Nutrient Goals	Clifton Bell	Brown and Caldwell
Switchgrass-Beneficial Bacterial Endophyte Interactions to Improve Soil Remediat	James Lowman	Virginia Tech & The Institute for Sustainable and Renewable Resources
Technical Analysis for Nutrient Crediting of Manure Conversion Projects	Kurt Stephenson	Virginia Tech
Stormwater		
Advancing Stormwater Treatment with High Flow Rate Bioretention Design	Chris French	Filterra Bioretention Systems
Cost-Effective Best Management Practices in Virginia and Local Implementation Plans	Adrienne Kotula	James River Association
Integrated Planning for Water Quality in the City of Richmond VA	Robert Steidel	City of Richmond Dept. of Public Utilities
The "Energy Balance" Method of Stormwater Management	Michael Rolband	Wetland Studies and Solutions, Inc.
They Killed Two Birds with One Stone: Development Ordinances that Achieve Stormwater Goals	Adrienne Kotula	James River Association
Wastewater		
Design of a Zero-Discharge Wastewater Treatment Facility	Brent Waters	Golder Associates, Inc.
Water Supply		
Embracing Water Efficiency Practices -What Really Compels a Utility to Change	Steve Cavanaugh	Cavanaugh & Associates, P.A.
Zero Waste		
A Tool to Assess the Sustainability of Poultry Litter to Energy Systems	Adebayo Ogundipe	James Madison University
Driving Cultural Change Towards Zero Waste	David Bryer Leesa Kraemer	MeadWestvaco MeadWestvaco
Factoring Emissions Model Revisions into Campus Planning for Climate Neutrality	Christie-Joy Hartman John Pickelhaupt	James Madison University O'Brien and Gere
Smithfield Foods Zero Waste to Landfill Standard	Roland Beem	Smithfield Foods Inc.
Zero Wood Construction Waste is Possible in Home Building	Phil Araman	USDA Forest Service Southern Research Station
Zero Wood Pallet Waste is Possible in Virginia and the U.S.	Phil Araman	USDA Forest Service Southern Research Station
Water Quality		
Evolution of Site Conceptual Models at Free Product Remediation Sites in VA	Matt Richardson	Environmental Alliance, Inc.