

## DIRECTIONS

The Community College of  
Rhode Island - Knight Campus  
4th Floor, Board Room 4090  
400 East Avenue  
Warwick, Rhode Island 02886-1807  
Telephone: 401-825-1000

The Knight Campus is located on 205 acres  
adjacent to Routes 95 and 295 in Warwick.

### **If traveling North on Route 95:**

Take Exit 11 (295). Then take Exit 1 onto  
Route 113 west; continue straight to cam-  
pus entrance

### **If traveling South on Route 95:**

Take Exit 12B. Bear left at fork to Route 113  
west; continue straight to Campus entrance.

### **For a map please visit:**

<http://www.ccri.edu/about/Campuses.shtml>

The Apeiron Institute  
For Environmental Living  
451 Hammet Road  
Coventry, RI 02816  
Return Service Requested

## **BIO-BASED PRODUCTS: Healthy Alternatives For Rhode Island Schools**

September 8, 2005

8:30 – 11:30AM

The Community College of RI

Supported By:

Apeiron Institute  
For Environmental Living

Community College of RI – Division of  
Lifelong Learning

Rhode Island State Energy Office

Northeast Regional Biomass Program

Mount Wachusett Community College

US Department of Energy

WHO SHOULD ATTEND:  
Maintenance Directors and Supervisors  
School Business Officials  
Environmental & Safety Coordinators

**FREE BREAKFAST**  
Space is Limited

**REGISTER EARLY!**  
**401-397-3430**  
[info@apeiron.org](mailto:info@apeiron.org)  
The Apeiron Institute  
For Environmental Living



# Bio-Based Products: Healthy Alternatives For Rhode Island Schools

## Why Attend?

### Get Informed

- What are bio-based products?
- Why use them?
- How do they perform?
- Who is using them?
- What is the future for these products look like?
- What is the value vs. cost proposition of using bio products?
- How can I start using these products?

### A New Opportunity

Bio-based products can be important contributors to improving the health of our schools, protecting our environment, reducing the use of imported petroleum and providing new higher value products for farmers. Cleaning products, building and ground maintenance, lubricants, and commissary items, as well as building materials, industrial chemicals, plastics, and fuels can all be made from biomass. Currently hundreds of bio-based products are available and commercially competitive. The U.S. Department of Commerce estimates that almost 550 million pounds of soybean oil are used annually in industrial products such as paint, solvents, and plastics. Despite this, many schools are unaware of the environmental and performance advantages, as well as the availability of these products.

## Agenda

- |       |  |
|-------|--|
| 8:00  | Registration & Breakfast   |
| 8:30  | Welcome & Workshop Overview  |
| 8:40  | Introduction to Bio-Based Products<br>Julie Capobianco, RISEO  |
| 9:00  | Case Study# 1<br>Lubricants and Hydraulic oil<br>William W. Garmier - Vice President<br>Renewable Lubricants, Hartville, OH<br>www.renewablelube.com |
| 9:30  | Case Study #2<br>Cleaning Products<br>Speaker to be announced  |
| 10:00 | Manufacturer presentations<br>Jacqueline L. Garmier – President<br>Renewable Lubricants, Hartville, OH<br>Others to be announced                     |
| 10:45 | Q & A Discussion   |
| 11:30 | Adjourn  |

## Speakers

Julie Capobianco  
RI State Energy Office  
[www.riseo.state.ri.us/](http://www.riseo.state.ri.us/)

Jacqueline & William Garmier  
Renewable Lubricants, Hartville, Ohio  
[www.renewablelube.com/](http://www.renewablelube.com/)

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