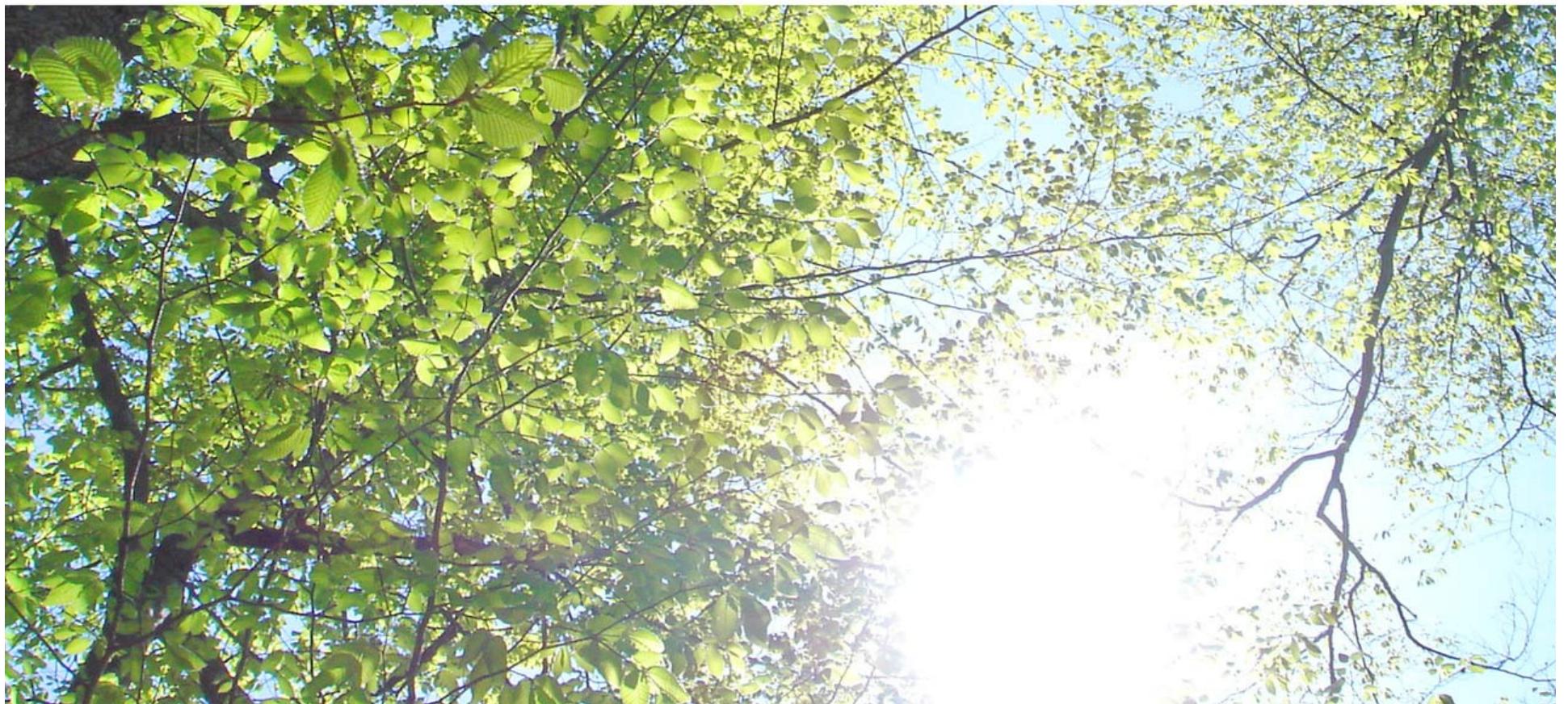




Tools for Green Purchasing

National Academies Workshop

December 8, 2011



Green Purchasing Needs



**Sustainability
Professional**



**Procurement
Staff**



**Everyone
Else**



**Contract
Writing**



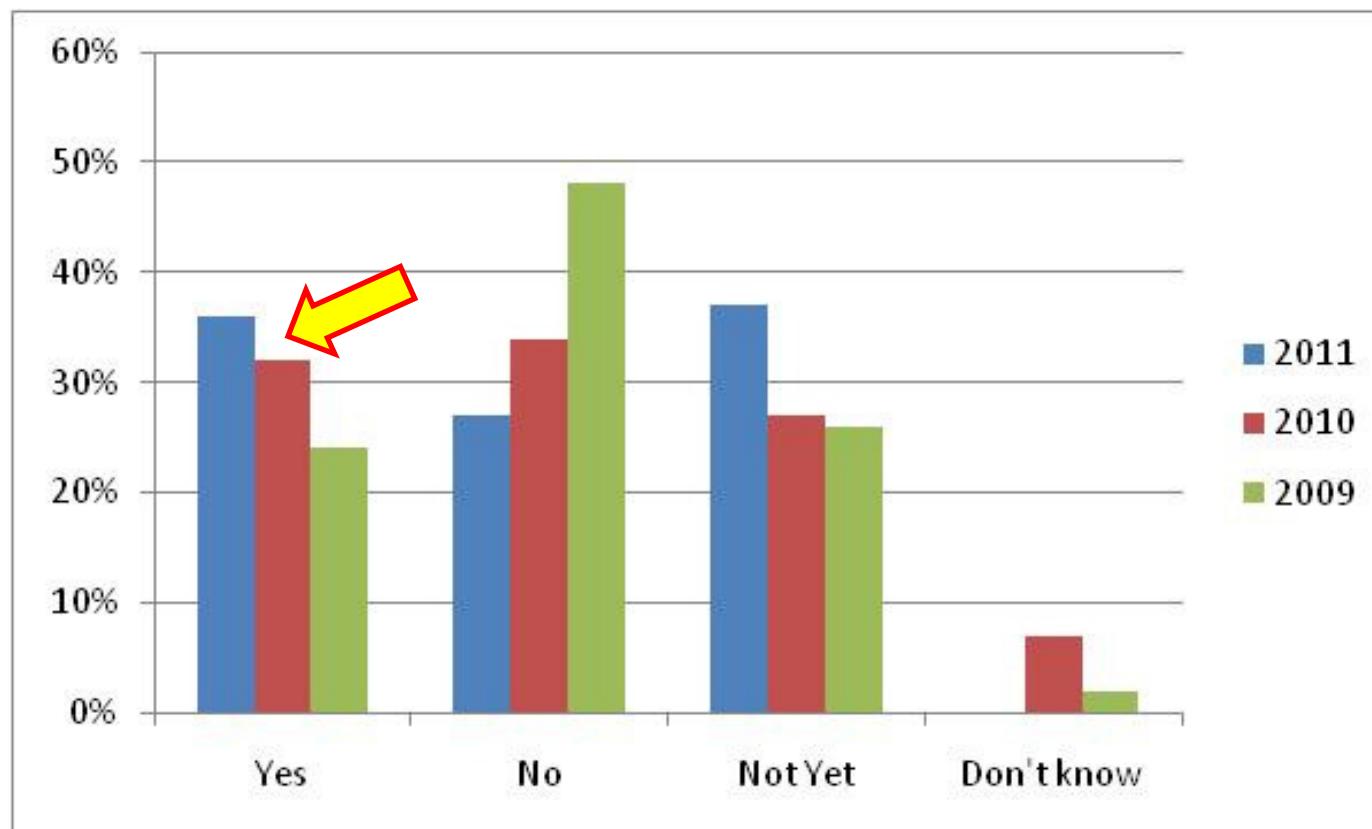
**Buying
Products**



**Compliance &
Reporting**

Green Purchasing Policies

Higher Education institutions with a formal Green Procurement Policy



Source: 2011 NAEP Green Procurement Survey

Green Purchasing Policies

RPN members with a Green Procurement Policy

“Three out of four (78%) of survey respondents have either a formal (54%) or an informal (24%) responsible purchasing policy”

Source: 2010 Responsible Purchasing Trends Report

Challenges

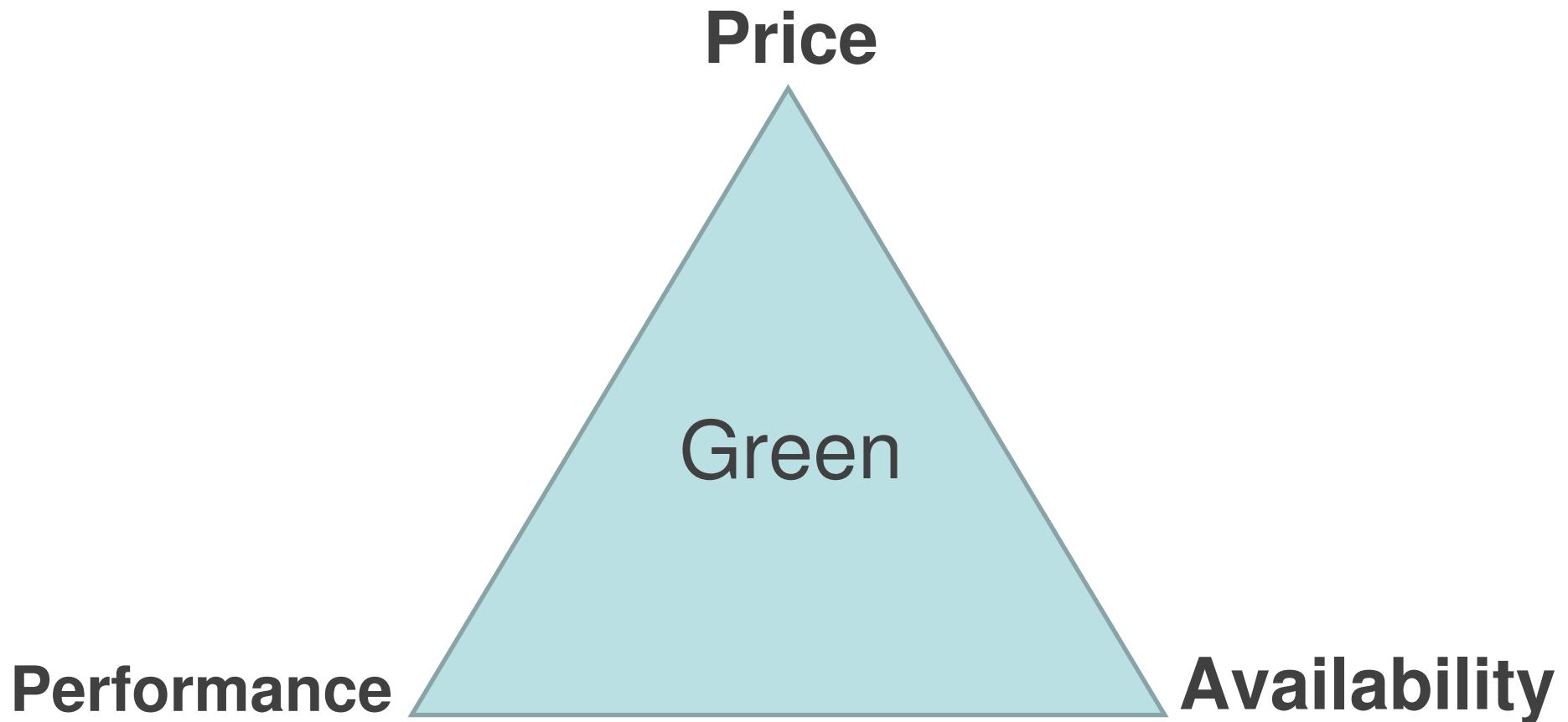
Key Green Purchasing Challenges

- Information overload
- Incorporating tradeoffs
- The Big Data Problem
- Disconnected tools & systems
- Measurement & Compliance

Information Overload



Product Specifications



The BIG Data Problem



*"Let's never forget that the public's desire for transparency
has to be balanced by our need for concealment."*

Multiple Systems

The collage includes the following components:

- Top Left:** Grainger website. It shows a search bar, product categories (e.g., Abrasives, Adhesives, Sealants and Tapes, Chemicals, Electrical, Electronics, Appliances, and Batteries, Fasteners, Fleet and Vehicle Maintenance, Furniture and Furnishings, Hand Tools, Hand Tools, Hydraulics, Lighting, Lubrication, Machining, Material Handling, Materials, Office Equipment, Outdoor Equipment, Painting, Plumbing, Pneumatics, Power Tools), and a 'Real Time Product Availability' section.
- Top Right:** Purchase Order software interface. It shows a table for a 'Purchase Order' with columns for Vendor, Item/Service Type, Item, Quantity, Tax Code, and Total (LC). An item for 'B1000 BOND PAPER' is listed with a quantity of 450.
- Middle Left:** Office Depot website. It features a 'Store Locator' and 'Shop by Catalog' dropdown, a search bar, and promotional offers for software and furniture.
- Middle Right:** SFApprovedList website. It displays a green seal, a list of products that meet San Francisco's Health and Environmental Requirements, and a 'Browse Products' section with categories like Adhesives & Caulks, Air Fresheners, Arts supplies, Automotive Fluids, Automotive Supplies, Compostable, Batteries, Building Materials, Cleaning Chemicals, Electronics, Electronics Cleaners, and Food.
- Bottom Left:** 3M website. It shows a product page for '3M™ Neutral Quat Disinfectant Cleaner Concentrate' with sections for 'What's New', 'Products & Services', 'Markets', 'Solutions', and 'Infection Control'.
- Bottom Right:** A sidebar with a 'Join 3,000 people on our email list' button, a 'Latest Products' section, and a 'Choosing the right product is easy when you have the City's help.' section.

Reporting & Compliance



Existing Toolbox

- Communication & Sharing
- Knowledge & Learning
- Product Selection
- Calculators & Reporting

Communication

YAHOO! GROUPS

EPPnet

joshgreencureme... · josh@greencurement.com | Group Member - [Edit Membership](#)

EPPnet

Search

Home Messages Post Files Photos Links Database Polls Members Calendar Promote Groups Labs (Beta) Applications Chat

Info Settings

Group Information

Members: 125 Category: Other Founded: Oct 18, 2011 Language: English

Try Yahoo! Groups Chat Beta! Now available on the left menu. Read more...

Home

Activity within 7 days: 11 New Members - 4 New Messages

Description

EPPnet links federal, state, and local environmental officials; and private procurement specialists charged with purchasing green products and services and developing policies for the procurement of these products. EPPnet is intended to provide subscribers with quick access to information, such as: availability of product specifications, vendors of particular products, pricing information, and strategies to achieve recycled product procurement goals and federal procurement policies. Please note: Private vendors are precluded from joining the listserv. EPPnet is hosted by the Northeast Recycling Council, Inc. (www.nerc.org)

Most Recent Messages [\(View All\)](#) [\(Group by Topic\)](#)

Search: [Search](#) [Advanced](#) [Start Topic](#)

Furniture Reupholstering and Refinishing
Good Afternoon, We are working on a solicitation for furniture reupholstering and refinishing and wonder if anyone has developed specifications for these
Posted - Tue Nov 29, 2011 2:09 pm

Green Cleaning Webinar
Please excuse cross postings. Green Cleaning Webinar on December 13 at 10:30am PST Alicia Culver would like to invite you to attend a webinar on Green
Posted - Tue Nov 29, 2011 12:10 pm

Ban on BPA in business transaction paper - time sensitive
Hello. NERC has been contacted by an Assemblyman in New York who is proposing legislation that would ban the distribution and use of business transaction
Posted - Tue Nov 29, 2011 9:56 pm

heathernelson.eugene
heathernelso...
Offline
Send Email

Mary Ann
maryann@...
Send Email

Lynn Rubinstein
lynrubinstein
Offline
Send Email

Knowledge

RPN
Responsible Purchasing Network

Because Every Purchase Matters

About • Membership • Resources • Events • News • Sustainability 101 • Purchasing Guides

Overview »
Social & Environmental Issues
Best Practices
Cost, Quality, & Supply Policies
Specifications
Standards
Products
Calculator
Handy Facts
Definitions
Credits & Endnotes

Feedback on this Guide
Please contact us with corrections, additions, policies, or questions.
[Submit Feedback](#)

Login
Username (email):
Password (forgot?):

Purchasing Guides are a benefit available to Members. Each Purchasing Guide includes a searchable product database and is also available to non-Members for purchase on RPN's website. Get started > select a Purchasing Guide from the purchase menu.

 **Green 101: Overview**
RPN produces Purchasing Guides for a range of products and services, including: Bottled Water, Carbon Offsets, Cleaners, Computers, Copy Paper, Fleets, Food Services, Green Power, Light-Duty Tires and Wheel Weights, Lighting, Office Electronics, Paint, and Toner Cartridges.

Each Purchasing Guide includes the following sections:

- ▶ Overview
- ▶ Social & Environmental Issues
- ▶ Best Practices
- ▶ Cost, Quality, & Supply Policies
- ▶ Specifications
- ▶ Standards
- ▶ Products
- ▶ Calculator
- ▶ Handy Facts
- ▶ Definitions
- ▶ Credits & Endnotes

EPA United States Environmental Protection Agency

Advanced Search [A-Z Index](#) [Contact Us](#) [Share](#)

LEARN THE ISSUES SCIENCE & TECHNOLOGY LAWS & REGULATIONS ABOUT EPA

Greener Products

 **Consumers**
Click here for information for consumers

1 2 3

The EPA Greener Products portal is designed to help the user navigate the increasingly important and complex world of greener products. It allows users to search for EPA programs related to greener products based on the type of user and their specific product interests. It also links to additional greener products information from EPA and other sources.

Use the selector below to search for EPA eco-labeling programs or standards EPA helped develop and manage. [Click here](#) for an introduction to eco-labels and standards.

Step 1: User Type **Step 2: Product Category** **Step 3: Product**

All All All

Frequent Questions

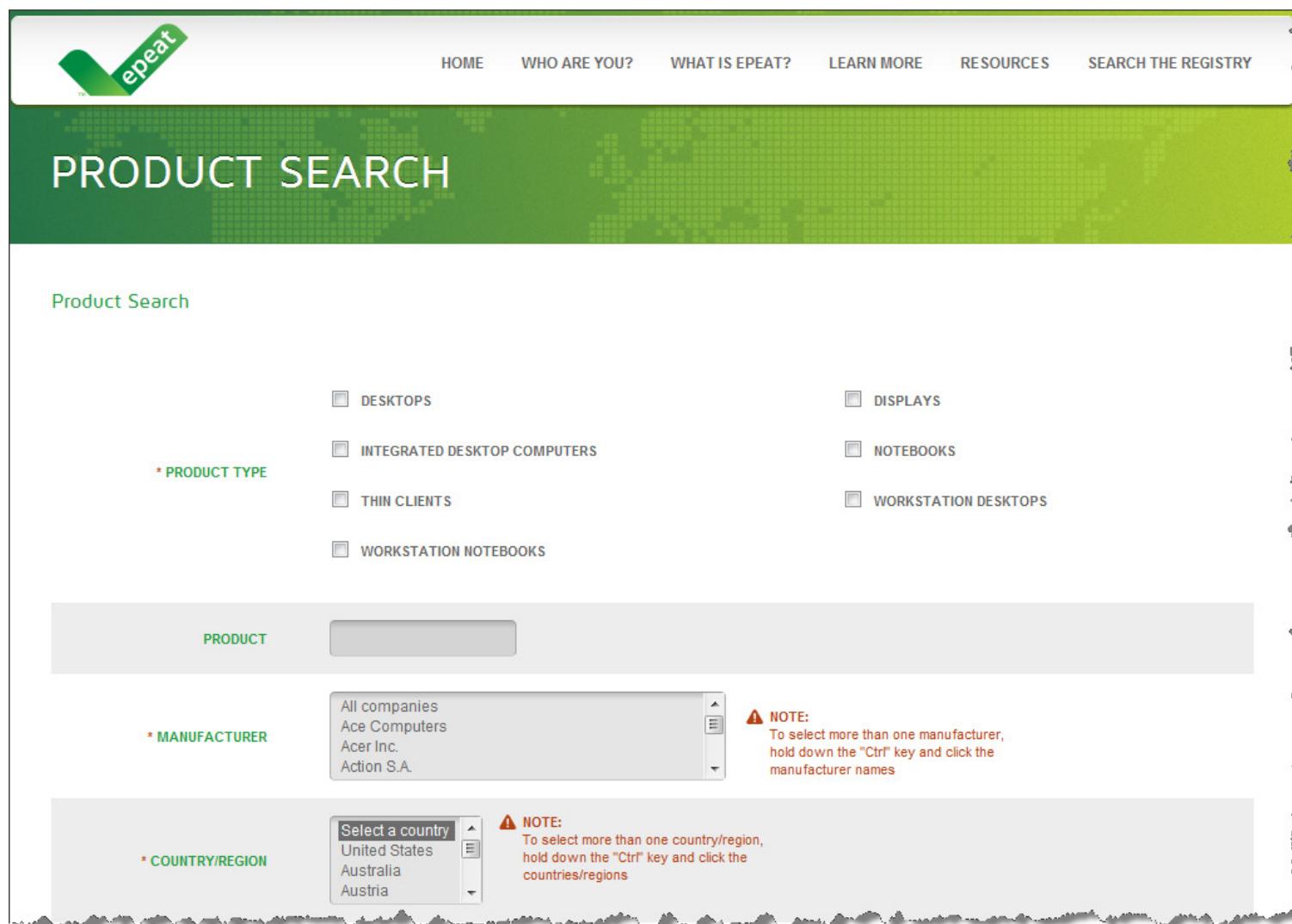
- What makes a product "greener"?
- How can I find energy-efficient products?
- How do I find products and services that save water?
- How can I find safer detergents and household cleaners?

More....

Website Links

- Basic Information
- Introduction to Eco-Labels and Standards
- List of Greener Products Programs
- Consumer
- Institutional/Professional Purchaser
- Manufacturer
- Glossary
- Related Links

Product Selection



The screenshot shows the epeat Product Search interface. At the top, there is a navigation bar with links: HOME, WHO ARE YOU?, WHAT IS EPEAT?, LEARN MORE, RESOURCES, and SEARCH THE REGISTRY. The main title "PRODUCT SEARCH" is displayed in a large, bold, white font on a green background. Below the title, the "Product Search" section is visible. It includes a list of product types with checkboxes: DESKTOPS, INTEGRATED DESKTOP COMPUTERS, THIN CLIENTS, WORKSTATION NOTEBOOKS, DISPLAYS, NOTEBOOKS, and WORKSTATION DESKTOPS. The "PRODUCT" field is empty. The "MANUFACTURER" field is a dropdown menu showing "All companies", "Ace Computers", "Acer Inc.", and "Action S.A.". A note states: "To select more than one manufacturer, hold down the "Ctrl" key and click the manufacturer names". The "COUNTRY/REGION" field is a dropdown menu showing "Select a country", "United States", "Australia", and "Austria". A note states: "To select more than one country/region, hold down the "Ctrl" key and click the countries/regions".

Product Search

* PRODUCT TYPE

- DESKTOPS
- INTEGRATED DESKTOP COMPUTERS
- THIN CLIENTS
- WORKSTATION NOTEBOOKS
- DISPLAYS
- NOTEBOOKS
- WORKSTATION DESKTOPS

PRODUCT

* MANUFACTURER

- All companies
- Ace Computers
- Acer Inc.
- Action S.A.

⚠ NOTE:
To select more than one manufacturer, hold down the "Ctrl" key and click the manufacturer names

* COUNTRY/REGION

- Select a country
- United States
- Australia
- Austria

⚠ NOTE:
To select more than one country/region, hold down the "Ctrl" key and click the countries/regions

Calculators

Green Cleaning Pollution Prevention Calculator

Enter Building Information

Name of Building:

Title of Your Estimate:

Address:

Approximate Building Size

If you don't enter a number, the default amounts will be used.

Your Building

Hard Floor Area (Square Feet)

Carpeted Area (Square Feet)

Total Area (Square Feet)

Special Cleaning?

If you don't check a box, the default answer is "no".

Your Building

Many interior glass partitions

Large amounts of metal trim

Building more than 25 years old

Environmental Paper Network

Our Network » | Our Vision » | Donate | Resources » | Projects » | Purchaser Apps » | Our Blog | Media | Community »

SEARCH OUR SITE

JOIN THE E-NEWSLETTER

CONNECT WITH US

Paper Calculator

Welcome to the Paper Calculator

This tool will help you quantify the benefits of better paper choices. The Paper Calculator shows the environmental impacts of different papers across their full lifecycle.

Why do paper choices matter?

By using less paper, increasing recycled content, and making other improvements, you can save wood, water and energy, and cut pollution and solid waste.

See the environmental benefits

Create an easy-to-read report, to help your company, community, non-profit or other organization make better paper choices and measure the environmental results.

I agree to cite Environmental Paper Network ([sample citation](#)) when using information provided by the Paper Calculator, and accept the [Terms & Conditions](#) associated with the use of this site.

Compare individual papers
For example, compare the impacts of a specific paper to alternatives with higher recycled content.

Compare paper groups
For example, compare the combined impacts of several different papers you use today to one or more sets of recycled alternatives.

Building Example

greenwizard
information to build on

[Login](#)

[Home](#) [AECs](#) [Manufacturers](#) [Our Company](#)

Information To Build On

[Home](#) [Documents](#) [Participants](#) [Products](#) [GreenPackage™](#) [Settings](#) [LEED Tools](#)

Project: Green Project 2011

| Details | Green Goals | Activity |
|---------------------------------------|---|--|
| Start Date: Est. End Date: 2/12/12 | Energy Efficiency: Water Efficiency: Health: Sustainability: | Invitations: 5 pending View All RFI: 0 unread RFI History RFQ: 0 unread RFQ History RFV: 0 unread |

Metrics

LEED Summary

| Credit | Planned | Assessed | Action |
|--------|---------|----------|----------------------|
| SS | 10 | 0 | View |
| WE | 5 | 0 | View |
| EA | 9 | 0 | View |
| MR | 8 | 3 | View |
| IEQ | 8 | 0 | View |
| IDP | 4 | 0 | View |

[View LEED Credit Checklists](#)
[View Full Project Summary](#)
[Sync with LEED Online](#)

Products by VOC Content

| VOC Content | Number of Products |
|-------------|--------------------|
| 0 | 12 |
| 0-10 | 4 |
| 10-50 | 9 |
| 50-100 | 2 |
| Over 100 | 2 |

Number of Products with Green Criteria

| Category | Count |
|-------------------|-------|
| Potential | 153 |
| Regional | 209 |
| Recycled | 140 |
| Reused | 209 |
| Rapidly Renewable | 0 |

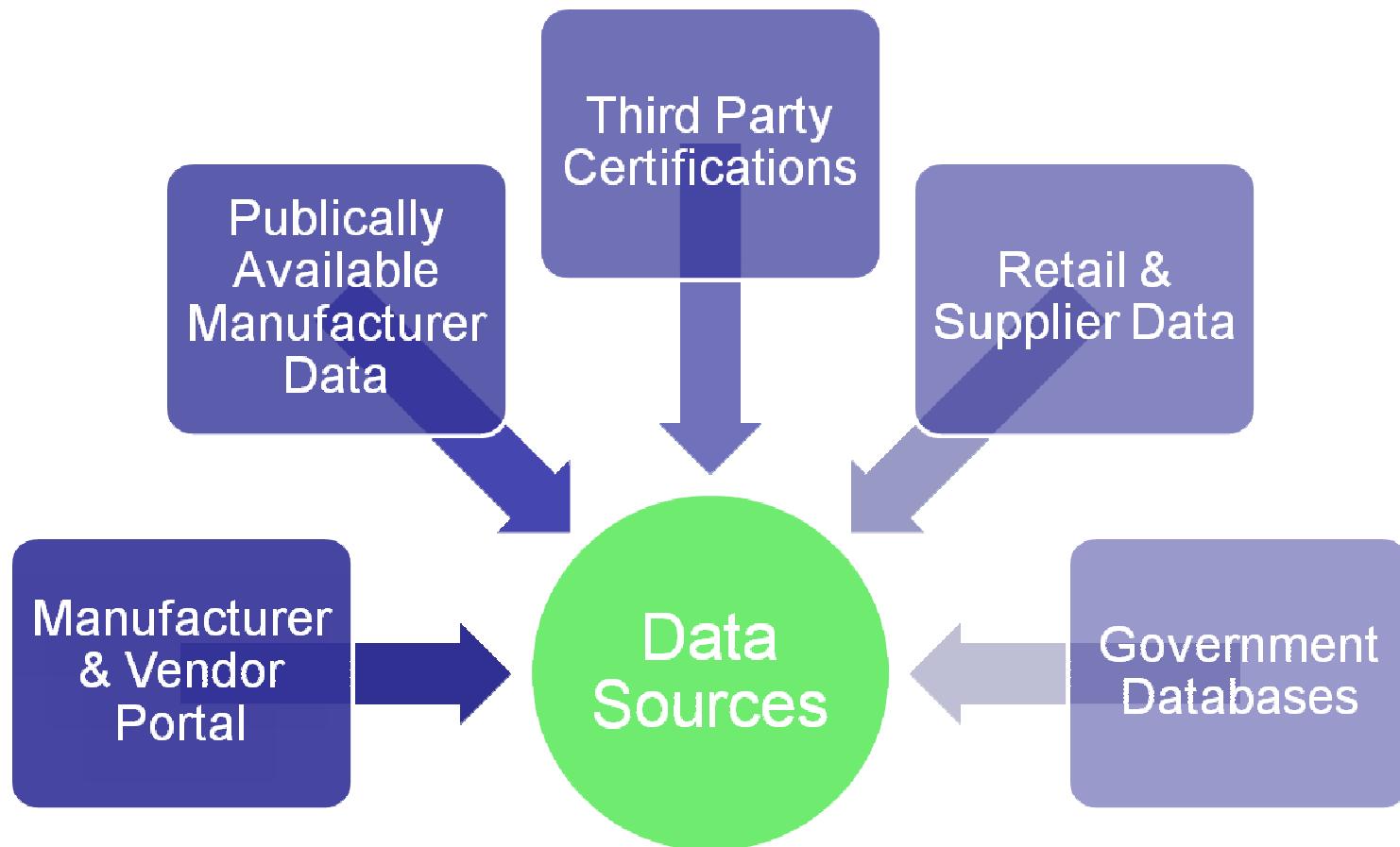
Legend: █ Does Not Have Attribute █ Has Attribute

Greencurement



Greencurement provides environmental and health information about products, making it easier to find products that meet an organization's green requirements

Data Sources



Greencurement collects and aggregates data from dozens of sources; including first, second and third party sources. Cross-referencing multiple sources where possible ensures data quality and accuracy.

What can you do with Greencurement?

Find, Search, Filter by specific product or environmental criteria

Example

Find all Computers that meet FEMP low standby power requirements, are EPEAT Gold registered and have at least 10% post-consumer recycled content

Benefits

- Use before writing an RFP or contract to determine number of available products that meet criteria
- Find products that meet your particular specifications

What can you do with Greencurement?

Create policies or recommendations for all users within an organization

Example

Set a policy requiring products to be energy efficient and contain no hazardous substances for all users within a federal agency. The only products shown to users are products that comply with the policy.

Benefits

- Help with enforcement and compliance of regulations
- Make it easier on employees to purchase compliant products

What can you do with Greencurement?

**Share, communicate and learn about
environmentally preferable purchasing**

Example

Find out what specifications or policies another organization has implemented for electronics

Benefits

- Share and learn best practices with other institutional purchasers
- Quickly and easily get questions answered
- Educational information for staff that aren't sustainability experts

Screenshot Example

Greencurement BETA

Logged in as

Home Advanced Search Browse Products Community Education C

Advanced Search

Category: Lighting

Subcategory: CFL

Search Criteria:

| | | | | |
|-----------------|--------------|-------------|----|---|
| CRI | Greater Than | 55 | % | X |
| Watts | Greater Than | 20 | W | X |
| Lumens: Initial | Greater Than | 1200 | | X |
| Maximum Mercury | Less Than | 4 | mg | X |
| Certification | Equals | ENERGY STAR | | X |

[+ Add Criteria](#)

[Search](#) [Save Search](#)

Greencurement BETA

Logged in as Josh Saunders (logout)

Home Advanced Search Browse Products Community Education Center Public Policies

224964

Does this product look inaccurate?



Model: Med EL/mDT6.5K 1CT
SKU: 224964
Manufacturer: Philips
Category: Lighting > CFL

Looking for an energy saver that does not look like one? The Philips EnergySaver family provides energy efficient lighting options that don't just provide similar light as your standard incandescent light bulb, they also have the same classic shapes. Try the Philips EnergySavers and see how they truly provide advanced lighting designed around your needs.

Certifications
ENERGY STAR

| Product Details | | Environmental Details | |
|-----------------|------------------|--------------------------|------|
| Watts | 13 W | Maximum Mercury | 3 mg |
| Nominal Length | 4.21 in | Lead-free Solder | Y |
| Equivalent | 40W Incandescent | Lead-free Glass Envelope | Y |
| Volts | 120 V | | |
| Avg Rated Life | 10000 Hrs | | |
| Base Type | E26/24 | | |
| Overall Length | 4.4 in | | |
| Lumens: Initial | 900 | | |
| Lumens: Mean | 700 | | |
| Efficacy | 53.8 Lumens/Watt | | |

Key Takeaways

1. Collaborate to develop better tools for green purchasing in public & private sector
2. Work together to increase data availability
3. Make green purchasing easier & more accessible for all stakeholders

Greencurement

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